Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

62.23
1938
JAN 11 1938
U. S. Department of Agriculture

Vaughan's Spring Flowering Bulbs

VAUGHAN'S SEED STORE

CHICAGO
NEW YORK

1938 FRONT COVER

Above: Kodachrome true col snapshot of a tulip garden in th Chicago North shore section. Th color scheme of white, yellow and lavender is developed with Tulip Mrs. Moon (C) canary yel- low. Doz., 85c; 100, $6.00. Tulip Zwanenburg (D) very large, round, pure white. Doz., $1.00; 100, $7.50. Special prepaid combination of- fers, 6 each (12 bulbs), 90c; 12 each, (24 bulbs), $1.70; 25 each (50 bulbs) $3.25; 50 each, (100 bulbs), $6.25. To supply lavender edging, use Myosotis Palustris Semper- florens, Perennial Forget-Me- Not, plants, 3 for 85c; doz., $2.50; 100, $15.00, by express not prepaid.

Vaughan's Hardy Daffodils

Cover Collection B

One Bulb each of the varieties illustrated on this page (7 bulbs) will be sent prepaid for 90c.

Two each (14 bulbs) $1.65.
Three each (21 bulbs) $2.35.
Six each (42 bulbs) $4.25.
Twelve each (84 bulbs) $8.00.

Prices of Separate Varieties

Twink (Double)
Each, 25c; Doz., $2.50.
Pheasant's Eye (Poeticus)
Each, 10c; Doz., 85c.
Early Surprise (Barri)
Each, 10c; Doz., $1.00.
Evangeline (Leedsi)
Each, 10c; Doz., $1.00.
Spring Glory (Bicolor)
Each, 15c; Doz., $1.20.
Tresserve (Trumpet)
Each, 15c; Doz., $1.45.
Bernardino (Incomparabilis)
Each, 15c; Doz., $1.20.

See also Pages 13 to 15.

Plates from Natural Color Photographs (Unretouched)

Vaughan's
Ten Giant Tulip Leaders

Varieties illustrated on this page are outstanding among the tall, giant flowered tulips. All flower in May except Gen. DeWet, which is a late early, preceding the Darwins and often overlapping with their season. Gen. DeWet is one of the finest of all tulips, with huge flowers of vivid coloring, and rich fragrance. Prices on this page are for first size bulbs.

One each of the varieties illustrated on this page (10 bulbs) prepaid for..... **90c**

Two each (20 bulbs) $1.65.
Three each (30 bulbs) $2.30.
Six each (60 bulbs) $4.25.
Twelve each (120 bulbs) $8.00.

MOONLIGHT
(Cottage)
Doz., 85c; 100, $6.00

DON PEDRO
(Breeder)
Doz., 85c;
100, $6.00

GEN. DeWET
(Single Late)
Doz., 95c; 100, $7.00

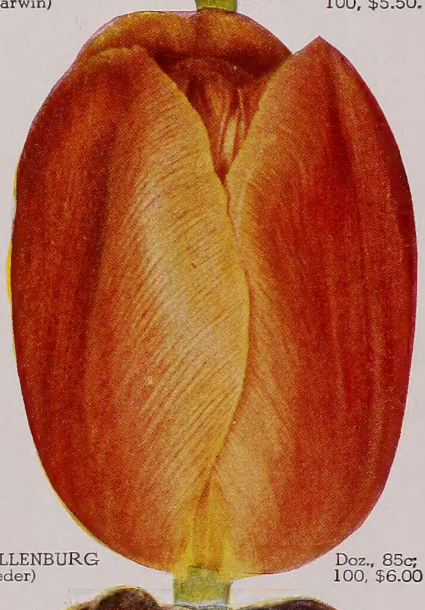
GIANT
(Darwin)
Doz., $1.00; 100, $7.50

CITY OF HAARLEM
(Darwin)
Doz., $1.00; 100, $7.50

VENUS
(Darwin)
Doz., 85c; 100, $6.00

KANSAS
(Triumph)
Doz., 95c;
100, $7.00

PRINCESS
ELIZABETH
(Darwin)
Doz., 75c;
100, $5.50.



DILLENBURG
(Breeder)
Doz., 85c;
100, $6.00

LOUIS XIV
(Breeder)
Doz., 95; 100, $7.00

Vaughan's FAMOUS RAINBOW GARDEN OF GIANT TULIPS

Sixty flowering size bulbs, six each of the ten varieties illustrated on this page, prepaid 600 miles, for . . . $2

This collection is planned to produce a brilliant yet balanced color display in your garden next spring. To facilitate planting for color effect bulbs of each variety are separately bagged and labeled.

Plates from Natural Color Photograph, (unretouched)

60 Bulbs FOR $2

Vaughan's FAMOUS *Rainbow Garden of* GIANT TULIPS

60 Flowering Size Bulbs
6 Each of Ten Varieties
Separately Bagged and Labeled

Illustrated on Opposite Page (Prepaid 600 Miles)

Price of our Rainbow Tulip collection this year has been brought down to the level of the ordinary bargain mixture, but its quality is maintained on the high level which has made this offer famous.

You must have seen our Rainbow tulips in the garden of a neighbor, blossoming in May, when garden color is so scarce, yet so precious; painting the border in that lovely month with a brilliance which not even the June display could equal.

If your garden has lacked this early beauty (as two out of three do) a long first step toward remedying the lack can be taken at minimum expense, by planting one or more Rainbow Tulip Collections this fall.

These are not bargain bulbs, but are of flowering size, and will produce giant blossoms, on tall, strong stems. All these varieties are in the front rank of their respective color classes and are used in the foremost gardens of the world.

The bulbs of each variety come separately bagged and labeled, so you may work out your own color effect in planting. No flower is easier to grow than tulips, or more certain to flower just when and where you want them.

Copyright 1938 by Vaughan's Seed Store.

SIX EACH OF THESE 10 VARIETIES

INGLESCOMBE YELLOW, 18 in., Cottage. A rich yellow flower which, though of the Cottage clan, has the cup-shape and is often called "the yellow Darwin."

MME. KRELAGE, 27 in., Darwin. A deep soft pink flower with paler edging, very large blossom, one of the earliest and loveliest Darwins.

FARNCOMBE SANDERS, 25 in., Darwin. A large flower of fiery scarlet, one of the most vivid tulips; white center marked with blue; perfectly cup-shaped.

GRENADIER, 20 in., Cottage. Magnificent light orange. When the sun shines on a fully developed flower of this variety the effect is dazzling.

PHILIPPE DE COMMINES, 26 in., Darwin. One of the finest violets, whose tall, dark beauty is most striking in company with pink or yellow companions.

REV. H. EWBANK, 20 in., Darwin. A deep lilac, which combines effectively with orange and yellow flowers, completing the color balance of a planting or bouquet.

PRIDE OF HAARLEM, 28 in., Darwin. An enormous flower of rosy red, long one of the most popular Darwins and as yet unsurpassed in its class.

CLARA BUTT, 20 in., Darwin. Considered by many the finest pink Darwin because of its soft, true-pink coloring, free from lavender; a rare color and a charming flower.

BARTIGON, 22 in., Darwin. A large flower of fiery crimson, which stands out in the tulip border. Its blossom is perfectly cup-shaped and its color while vivid is pleasing.

ORANGE KING, 23 in., Cottage. A fragrant flower of good size, and deep orange self-color, inside and out. It makes a strong color-accent.

Vaughan's Chicago Parks Lawn Seed

Better Lawns with Seed from Vaughan's

AUTUMN is the most favorable time to sow lawn seed, the earlier the better. In the short days and cool nights the seedling plants make vigorous growth. Give them all the time possible to become established before freezing weather arrives.

It is more than ever important now to sow only permanent grasses, free from short-lived, coarse growing types. For a lawn of permanence and beauty, our famous Chicago Parks mixture is recommended, containing only fancy, recleaned seed of fine leaved, hardy, lasting grasses of high purity and germination. It contains no timothy, or other coarse adulterants. Remember, cheap mixtures invariably disappoint and increase rather than reduce expense.

We offer this mixture without Clover under the name "Fairway Mixture" at the same prices as Chicago Parks.

1 Lb.	40c
½ Lb.,	$0.25
2 Lbs.,	.80
3 Lbs.,	1.15
5 Lbs.,	1.85
10 Lbs.,	3.50
15 Lbs.,	5.15
20 Lbs.,	6.75
25 Lbs.,	8.25
100 Lbs.,	30.00

Vaughan's "Private Estate" Bent Formula
FOR LAWNS "DE LUXE"

For those who are interested in bent grass we highly recommend our Private Estate formula.

In addition to Kentucky Blue Grass of the highest quality, to insure a foundation for your lawn, Private Estate formula includes an important proportion of bent, and produces a fine, heavy turf.

Price, 1 lb., 60c; 2 lbs., $1.20; 3 lbs., $1.75; 5 lbs., $2.85; 10 lbs., $5.50; 15 lbs., $8.15; 20 lbs., $10.75; 25 lbs., $13.25; 100 lbs., $50.00.

Vaughan's "Columbian"

When making a lawn on sandy soil or in light shade, conditions are met with which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, ½ lb., 30c; 1 lb., 50c; 2 lbs., $1.00; 3 lbs., $1.45; 5 lbs., $2.35; 10 lbs., $4.50; 15 lbs., $6.65; 20 lbs., $8.75; 25 lbs., $10.75; 100 lbs., $40.00.

Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. A splendid mixture. It is also satisfactory in light shade.

Price, ½ lb., 40c; 1 lb., 70c; 2 lbs., $1.40; 3 lbs., $2.05; 5 lbs., $3.35; 10 lbs., $6.50; 15 lbs., $9.65; 20 lbs., $12.75; 25 lbs., $15.75; 100 lbs., $60.00.

Vaughan's No. 25 Lawn Formula

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine.

Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.00; 10 lbs., $1.90 15 lbs., $2.85; 20 lbs., $3.75; 25 lbs., $4.50; 100 lbs., $17.00.

American grass seed crops for 1938 were satisfactory and our low prices remain unchanged except for imported grasses on which there were short crops and mixtures containing such imported grasses. We carry in stock seeds of all recognized lawn and golf course grasses and will gladly quote prices on any not listed below.

Fancy Kentucky Blue Grass (Poa Pratensis)

EXTRA HEAVY SUN CURED SEED—Specially recleaned. Price, ½ lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.85; 10 lbs., $3.50; 15 lbs., $5.15; 20 lbs., $6.75; 25 lbs., $8.25; 50 lbs., $14.50.

Fancy Seed— (Standard grade of recleaned blue grass.) Price, ½ lb., 20c; 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.50; 15 lbs., $3.65; 20 lbs., $4.75; 25 lbs., $5.75; 50 lbs., $10.50.

Chewings Fescue (New Zealand Grown)

Seed, 5 lbs. to 1,000 sq. ft.—1 lb., 85c; 2 lbs., $1.70; 3 lbs., $2.50; 5 lbs., $4.10; 10 lbs., $8.00; 15 lbs., $11.90; 20 lbs., $15.75; 25 lbs., $19.50; 50 lbs., $38.50.

Rough Stalked Meadow Grass (Poa Trivialis)

Seed, 1 lb. to every 300 sq. ft.—1 lb., 60c; 2 lbs., $1.20; 3 lbs., $1.75; 5 lbs., $2.85; 10 lbs., $5.50; 15 lbs., $8.15; 20 lbs., $10.75; 25 lbs., $13.25; 50 lbs., $26.00.

Red Top Grass (Argrostis Alba)

Extra Fancy recleaned solid seed—Price, ½ lb., 20c; 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., $1.35; 10 lbs., $2.50; 15 lbs., $3.65; 20 lbs., $4.75; 25 lbs., $5.75; 50 lbs., $10.00.

White Clover For Lawns

Extra fancy seed. Price, ¼ lb., 20c; ½ lb., 35c; 1 lb., 65c; 2 lbs.; $1.30; 3 lbs., $1.90; 5 lbs., $3.10; 10 lbs., $6.00; 15 lbs., $8.70, 20 lbs., $11.25; 25 lbs., $13.75.

Seed of the Bent Grasses

For lawns the Bent grass seed is preferred to the creeping Bent stolons because these types of Bent do not grow so rapidly and do not require so much cutting and top dressing. Seed at the rate of 3 to 4 lbs. per 1000 square feet.

ASTORIA BENT GRASS. This grass has creeping roots and makes a splendid lawn and golf grass. Requires less care than the aggressive surface creepers. Price, ¼ lb., 45c; ½ lb., 80c; 1 lb., $1.50; 2 lbs., $3.00; 3 lbs., $4.40; 5 lbs., $7.25; 10 lbs., $14.00.

EUROPEAN MIXED BENT is a natural mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Colonial Bent. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft. Ask for prices.

COLONIAL BENT GRASS makes a fine close turf of excellent color. Spreads from the roots. Seed 3 lbs. per 1000 sq. ft. Ask for prices.

SEASIDE CREEPING BENT GRASS. This is a true unmixed creeping Bent grass seed. One or two top dressings a year will keep it in good condition.

Price, ¼ lb., 45c; ½ lb., 80c; 1 lb., $1.45; 2 lbs., $2.90; 3 lbs., $4.25; 5 lbs., $7.00; 10 lbs., $13.50.

Creeping Bent Stolons

They produce a fine turf in one season, but must have extra care. For $16.00 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for $9.25; 250 sq. ft. for $5.25. Express charges collect. If larger quantities are desired, ask for a special quotation. A leaflet about Creeping Bent Stolons will be sent upon request. Fall planting from the latter part of August to the latter part of September.

All Grass Seed is Prepaid to Any Part of the U. S. A.
There is an Extra Charge by Post Office for Collection on C. O. D. Packages

Please Order on this Blank H

To F38 **Vaughan's Seed Store** 601 W. Jackson Blvd., CHICAGO
47 Barclay Street, NEW YORK

YOUR NAME.....Date.....19.....
Write very plainly

Post Office.....State.....

Street, P. O. Box
or Rural Delivery.....

Express or Freight Office {If different from P. O.}.....Forward Goods by.....
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Money Order $.....

Draft or Check $.....

Postage Stamps $.....

Cash - - - - $.....

Make Money Orders or Checks Payable to Vaughan's Seed Store

Table of PARCEL POST RATES to different zones on other side.

Your local postmaster will tell you in which zone you reside as regards NEW YORK or CHICAGO.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

VAUGHAN'S SEED STORE, INC., GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, PRODUCTIVENESS OR ANY OTHER MATTER OF ANY SEEDS, BULBS OR PLANTS IT SELLS, AND WILL NOT BE RESPONSIBLE FOR THE CROP; AND IT GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO FERTILIZERS, OTHER THAN IN RESPECT TO ANALYSES OR OTHER DATA EXPRESSLY AND LAWFULLY REQUIRED OF THE SELLER BY STATUTES.

QUANTITY Do not Abbreviate	NAME OF ARTICLE	PRICE Dols.	Cts.
	A PREMIUM FOR EARLY BULB ORDERS—To every cash order for BULBS listed in this catalog amounting to $3.00 or more, and mailed before OCTOBER 1, 1938, you may add as a premium to reward promptness, additional BULBS of your selection to the value of 10% of the cash order, and these premium bulbs will be shipped without charge.		
	No premium allowed on orders received by us after OCTOBER 1, 1938.		
	☞ In making your order, please give the sizes and prices to avoid delay and errors. Carried Forward,	$	

(OVER)

Have You Forgotten

Anything on this List?

(Complete Index on Page 36)

Annual Flowers for Fall Sowing, Pages 26, 27

Bulb Offers for Beginners, Page 37

Breeder Tulips, Page 9

Bulb Bowls, Page 40

Bulb Planters, Page 12

Bulbs to grow in bowls, Pages 18, 19, 20, Back Cover

Cottage Tulips, Page 8

Daffodils, Pages 13, 14, 15

Darwin Tulips, Pages 5, 6, 7

Fertilizers, Page 35

Flower Seeds, Pages 26, 27

Fungicides, Page 35

Insecticides, Page 35

Iris, Pages 15, 28, 29

Hyacinths, Page 20

Lawn Seed, Page 2

Lilies, Pages 21, 22, 23

Narcissi, Pages 13, 14, 15, 18 and Cover H.

Paper White Narcissi, Page 18

Peonies, Pages 30, 31

Perennial Plants, Pages 24, 25

Perennial Flower Seeds, Pages 24, 25

Perfume, Vaughan's True Floral, Page 40

Roses, Pages 38, 39

Shrubs, Pages 32, 33, 34

Tools, Page 35

Trees, Pages 32, 33, 34

Winter Window Garden, Page 19

Loveliest Lily Easy to Grow in Gardens

is L. Speciosum Rubrum, sometimes called magnificum, or lance leaved lily. Of all the Japanese lilies, this is the one with which our customers have the greatest success in ordinary garden soils and locations.

Bulbs of this lily will come to you late, probably not before November. If frost threatens before then, a light mulch of leaves over the place where your lilies are to grow will keep the ground soft until planting time. Read the planting directions on Page 21, and observe especially the point about a well-drained location.

Rubrum lilies, as they are usually called, are white, flushed pink, and heavily marked with carmine (See cover page E.) The petals are frilled and curl backward. They bloom in late August, when the garden needs outstanding flowers for accent. Plant them in a good setting where their beauty may be admired against a pleasing background.

First size (8-9), Each 20c; doz., $2; 100, $15.

Mammoth size (9-10), Each 30c; doz., $3; 100, $20.

Jumbo size (11-13), Each 45c; doz., $4.50; 100, $32.

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	PRICE Dols.	Cts.
	Brought Forward		

FROM ________________________

P. O. ____________ STATE ____________

Vaughan's Seed Store

601 W. Jackson Blvd.,

CHICAGO, ILL.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	7c.	1c. (2 lbs.)
First and Second Zone within 150 miles of either	8c.	1.1c.
Third Zone within 150 to 300 miles	9c.	2c.
Fourth Zone within 300 to 600 miles	10c.	3.5c.
Fifth Zone within 600 to 1000 miles	11c.	5.3c.
Sixth Zone within 1000 to 1400 miles	12c.	7c.
Seventh Zone within 1400 to 1800 miles	14c.	9c.
Eighth Zone all over 1800 miles	15c.	11c.

A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.

Total Weight,

Amount for Postage

Grand Total $

Filled by .... Checked by .... Packed by ....

Shipped by .... Style of Package ....

Date .... Book .... Weight ....

Tall, Giant May-Flowering Tulips

BREEDER, COTTAGE, DARWIN AND OTHER CLANS ALL MAY BE PLANTED TOGETHER

Darwin

Darwin tulips are characterized by a soft overtone which gives their colors a pastel effect. The flowers are cup-shaped and carried on tall, stiff stems. In color range they include all the rainbow hues, in amazing variety. Yellow, which long was missing from the Darwins, is now represented by several fine varieties; and new varieties include splendid giant whites.

Included in the variety lists on this and the following pages are many newly introduced varieties which show improvement in color, height, size or in some other important respect, over older varieties. But at the same time we retain the best of the old and tried varieties, many of which remain the finest of their type, and may never be surpassed.

Parcel Post. If you wish bulbs sent by parcel post, add to our prices, postage at zone rates from Chicago (see order blank), counting twelve bulbs as one pound, fifty as four pounds.

★Varieties starred thus are in our opinion of outstanding merit for garden planting.

Pink and Rose Darwins

Adoration (29 in.) A brilliant flesh-pink Tulip with lighter edge, and white base. Very large and strong flower, carried on a tall, stiff stem. Each, 25c; doz., $2.25; 100, $15.00.

★Afterglow (26 in.) All the splendor of a glorious sunset seems to be reproduced in this wonderful tulip with its deep orange tints suffused with salmon, and edged apricot orange. Tall, stately grower, and a very popular variety. Doz., 75c; 100, $5.50; 1,000, $50.00.

Aphrodite (30 in). Clear silvery pink, deeper within, large oval-shaped flower on tall, strong stem. A most beautiful tulip. Doz., 90c; 100, $6.50; 1,000, $60.00.

Baronne De La Tonnaye (26 in.) Bright rose, margined blush-rose; long, large flower, beautifully shaped. Doz., 70c; 100, $5.00; 1 000, $47.50.

Clara Butt (20 in.) Newer and superior tulips may be found, but Clara Butt remains a favorite. It is a true pink, wholly free from lavender, a rare color and a charming flower. Doz., 70c; 100, $5.00; 1,000, $47.50. **(Illustrated on Cover D.)**

Dresden China (24 in.) Soft rosy-pink with light rose edge on the outside and early. Each, 25c; doz., $2.50; 100, $16.00.

Eunice (29 in.) Brilliant rose pink with a bluish white center. Large well formed flower which is carried on a strong stem. Doz., $1.85; 100, $13.00.

★King George V (28 in.) An immense flower of brilliant rose with a light blue base. The color is dazzling in its brilliance, and this is without doubt one of the finest and most beautifully formed Darwins, quite worthy to bear a royal name. Doz., $1.20; 100, $8.50; 1,000, $80.00.

★La Fiancee (30 in.) Deep rose, shading to old-rose and delicate pink at the edges, with blue base. A splendid variety of large size and very effective when planted with mauve and dark lavender sorts. Doz., 85c; 100, $6.00; 1,000, $55.00.

La France (28 in.) A self colored soft rose-pink tulip of great beauty, white base. Large and strong flower on stiff stem. Highly recommended variety for bedding purposes. Doz., $1.15; 100, $8.25; 1000, $77.50.

★Princess Mary (28 in.) Bright carmine-rose with margin of rose-pink; inside clear carmine-rose with blue base and white halo. One of the largest flowers in this color. It is one you should have for Exhibition purposes. Each, 25c; doz., $2.15; 100, $14.00.

ALL May-flowering tulips may be planted together harmoniously. Darwin, Cottage and Breeder tulips are merely different clans having distinctive family traits, but each with beauty which blends admirably with its cousins. They are listed separately for convenience of reference.

Planning a tulip garden is made easy by the fact that you may count so surely upon the flower blooming as planned. The height, the color, the flowering season, are all so well established, it is a pleasure to plan a color effect and in the spring to see it develop in life, just as imagined the previous fall.

All Late Tulips May be Combined with Good Effect in Border

Mr. Van Zyl (26 in.) A glorious dark rosy pink tulip broadly edged white, beautiful clear and bright interior with large white base. We are sure you will like this variety after you see it in bloom. Each, 25c; doz., $2.35; 100, $17.00.

Mermaid (30 in.) Delicate flesh-pink with lighter border. Creamy white base, tremendous flower of oval shape, strong and tall stem. Very good for garden planting. Doz., $1.00; 100, $7.50; 1,000, $70.00.

Mixture of Darwin Tulips

Vaughan's Special, made up by ourselves from best distinct kinds. Doz., 85c; 100, $6.00; 1,000, $55.00.

Regular Holland Mixed. Doz., 70c; 100, $5.00. 1,000, $45.00.

PINK AND ROSE—Continued

Mme. Krelage (27 in.) Very similar to Massachusetts, but the central pink band is a shade lighter and blends into the pale border. Earlier and tones off into lighter shades all over. Doz., 70c; 100, $5.00; 1,000, $47.50. **(Illustrated on Cover D.)**

★Princess Elizabeth (26 in.) (Syn. Julie Vinot.) Large flower; soft rich rose toning to silvery rose at edges. Inside deep rose, white base. Highly recommended. Doz., 75c; 100, $5.50; 1,000, $50.00. **(Illustrated on Cover C.)**

★Queen of Hearts (28 in.) (Formerly Apple Blossom.) A beautiful soft rose sport of the old standby Farncombe Sanders, with steel blue anthers and pure white base. The flower is enormous with a rich texture, the stem is tall and straight, yet graceful, making this tulip a perfect exemplification of the progress being made in perfecting the tulip. Dozen, 90c; 100, $6.50; 1,000, $60.00. **(Illustrated on Cover G.)**

Tennessee (28 in.) Rosy carmine, yellow base edged blue. Sweet scented. Large flower on strong stiff stem. Doz., 95c; 100, $7.00; 1,000, $65.00.

★Venus (32 in.) One of the most wonderful tulips of recent introduction. The large flower is of exquisite rose, with a white center slightly edged light blue. The entire flower bares a beautiful silvery sheen. The stem is always long and strong, making it a grand exhibition variety. Doz., 85c; 100, $6.00; 1,000, $55.00. **(Illustrated on Cover C.)**

Red Darwins

Bartigon (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Doz., 70c; 100, $5.00; 1,000 $47.50.

Burgemeester Sandberg. (28 in.) (Major Sandberg). Deep mahogany; blue base, starred white. Large flower, extra for bedding. Doz., $1.20; 100, $8.50; 1000, $80.00.

★City of Haarlem (27 in.) Here is a tulip we can recommend without hesitation. It can always be depended upon to make an excellent show, with its immense cups of cardinal red, shading to scarlet at edges of petals. The large, blue base circled with pure white enhances the beauty of this splendid variety. Doz., $1.00; 100, $7.50; 1,000, $70.00. **(Illustrated on Cover C.)**

★Eclipse (27 in.) Rich, glowing dark red, with a blue base circled by white. A giant tulip of good form on a tall, strong stem, which does not easily snap in stormy weather, making it very good for garden and exhibition purposes. Really a royal tulip, which we highly recommend. Each, 25c; doz., $2.15; 100, $14.00.

★Farncombe Sanders (25 in.) Fiery rose scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape. Doz., 70c; 100, $5.00; 1,000, $47.50. **(Illustrated on Cover D.)**

Feu Brilliant (25 in.) (Brilliant Fire). Glowing red, shading to brilliant scarlet near edges of petals. Large dark blue base with white halo. Really a nice tulip. Doz., 95c; 100, $7.00; 1,000, $65.00. **(Illustrated on Cover G.)**

★Gloria Swanson (32 in.) An enormous rosy-red, becomes clear red with a faint blue tone on fading white center. We do not believe that a larger and stronger tulip in this color has ever been raised. Very strong stem, flower has great lasting qualities. This is really a giant and an excellent early forcing variety. Doz., $1.60; 100, $11.00; 1000, $105.00. **(Illustrated on Cover G.)**

★Imperator (30 in.) A giant blood-red flower with dark blue center, which is carried on a tall strong stem with extremely substantial flower-petals Highly recommended. Each, 55c; doz., $5.50; 100, $40.00.

★Margaux (30 in.) Tremendous flower, deep wine red, broadly edged with lighter shade of wine red, blue base, and is carried on a strong stiff stem. It certainly is an excellent variety for exhibition purposes. Doz., $1.75; 100, $12.50.

250 Bulbs of Any Variety Will be Sold at 1,000 Rate.

TULIP BORDER IN A NORTH SHORE GARDEN NEAR CHICAGO

Darwin Tulips

TONES OF RED—Continued

Mrs. O. J. Olsin (28 in.) A very bright scarlet tulip flushed orange white center, bordered blue. Doz. $1.20; 100, $8.50; 1,000, $80.00.

New-Orleans (30 in.) Very large, substantial flower, rich pansy merging into dark crimson dull and dark rosy magenta, indigo-blue, anthers black. A most unusual color. Each, 25c; doz., $2.35; 100, $17.00.

★President Taft (27 in.) (Sealing Wax.) Deep crimson-maroon, a superb tulip for bedding and one of the most beautiful varieties for late forcing. The flowers are of good substance, large, and are carried on stiff stems. Highly recommended. Doz., $1.20; 100, $8.50; 1,000, $80.00.

★Pride of Haarlem (28 in.) Vivid rose. An old standby that is deserving of a place in the best of gardens. Unsurpassable for fine color, reliable performance and enormous flower. Doz., 70c; 100, $5.00; 1,000, $47.50. (Illustrated on Cover D.)

Prince of Wales (28 in.) Bright cherry-red with a white base finely striped blue. Enormous flower on a tall, stiff stem. Doz., 90c; 100, $6.50; 1,000, $60.00.

★Prof. Rawenhoff (28 in.) Gorgeous deep rose red. Very attractive even under difficult conditions. Doz., 70c; 100, $5.00; 1,000, $47.50.

★Scarlet Beauty (28 in.) Beautiful fiery scarlet, one of the best Darwin Tulips for outside planting, possessing a straight, strong stem, and a flower that lasts long. Doz., $1.40; 100, $10.00; 1,000, $95.00.

★Swastika (28 in.) A glorious bright crimson tulip, splendid long flower with great substance, carried on a strong and stiff stem. One of the first to flower outside, it will last from three to four weeks. Doz., $1.20; 100, $8.50; 1,000, $80.00.

★Whistler (25 in.) Vivid maroon-crimson with a blue base and white halo. This variety has the characteristic of producing more than one stem to a bulb, each stem having two or more flowers. Doz., 85c; 100, $6.00; 1,000, $55.00.

Wm. Pitt (24 in.) Velvety crimson flower of beautiful form. Reliable garden variety. Distinct color and a magnificent tulip. Doz., 75c; 100, $5.50; 1,000, $52.50.

Violet, Black and Purple

Benjamin Franklin (27 in.) The softly shading color of this beautiful lavender tulip has an indefinable charm that wins everyone's praise. The flower is strong, the stem long and straight. Doz., $1.00; 100, $7.50; 1,000, $72.00.

Black Eagle (29 in.) (Blue Eagle). Extra large cup-shaped flowers of the richest and most intense deep but brilliant purple; anthers are black, base a deep blue. Should be in every garden. Doz., 90c; 100, $6.50; 1,000, $60.00.

★Bleu Aimable (26 in.) Bright violet-purple, with distinct steel blue shading, inside dark violet-purple, with blue base starred white; a very distinct and handsome tulip of large size and shapely form. Doz., 75c; 100, $5.50; 1,000, $52.50.

VIOLET, BLACK AND PURPLE—Continued.

Blue Perfection (29 in.) Bright violet bordered heliotrope, base white with blue ring, anthers black. Petals pointed and reflexed. Very beautiful flower, of good form and substance and of unique color. Each, 25c; doz., $2.35; 100, $17.00.

Dream (25 in.) Pale violet changing to lavender, with lighter edge and clear blue base. We recommend this tulip as one of the best lilac colored varieties. Its color is soft, but lasts very well. Doz., 75c; 100, $5.25; 1,000, $50.00.

Duchess of Hohenberg (29 in.) Lilac, shaded gray and rosy heliotrope. Large, well-formed flower on stiff stem. An exhibition flower. Doz., $1.20; 100, $8.50; 1,000, $80.00.

Faust (30 in.) Dark satiny purple with blue base, very large and well formed, good forcer. Doz., 90c; 100, $6.50; 1,000, $60.00. (Illustrated on Cover G.)

★Giant (29 in.) Deep purple, shaded dark violet with white base with blue star in center. Large flower, on a tall stiff stem. Doz., $1.00; 100, $7.50; 1,000, $70.00. (Illustrated on Cover C.)

Gwen Lee (28 in.) Porcelain, shaded lilac recommended for early forcing, also a fine bedding variety. Doz., $1.40; 100, $10.00. 1,000, $95.00.

Heliotrope (28 in.) A delightful flower of clear heliotrope color. Highly recommended for bedding, large and strong flower on stiff stem, recommended for cutting purposes. Doz., 95c; 100, $7.00; 1,000, $65.00.

★Insurpassable (27 in.) (Award of Merit.) A mammoth lilac tulip, flower is of great substance and is carried on a tall, strong stem. Highly recommended for exhibition purposes, for the garden or for early February forcing. Each, 25c; doz., $2.35; 100, $17.00.

Jubilee (28 in.) The most magnificent purple tulip. The flower is beautifully formed, deep rich bluish-violet shaded with purple. A flower of great beauty and long keeping qualities. We highly recommend this variety. Doz., $1.00; 100, $7.50; 1,000, $72.50.

La Tulipe Noire (25 in.) Nearest of all to the black color. Doz., 85c; 100, $6.00; 1,000, $55.00.

★Mrs. Mandel (27 in.) Violet blue, flushed lilac, with large, white base. This variety may be forced very early in January. Excellent keeper, strong stem. Highly recommended. Doz., 85c; 100, $6.00; 1,000, $55.00.

★Mystery (28 in.) A beautiful dark shiny black with blue base, very large and a strong grower. One of the favorites in our trial gardens. Doz., $1.30; 100, $9.00; 1,000, $85.00.

Mrs. H. I. Pratt (34 in.) Very large flower, light purple-lilac, with edges of petals yellowish, flushed lilac-mauve, beautiful and unique coloring. Winner of First Prize, Boston, 1938. Doz., $1.85; 100, $13.00; 1,000, $120.00.

VIOLET, BLACK AND PURPLE—Concluded.

Mme. Butterfly (28 in.) A beautiful violet-blue shaded white. Very attractive for beds. Doz., $1.70; 100, $12.00; 1,000, $110.00.

Mavourneen (28 in.) A delightful pale lilac and mauve with faint darker mauve edgings. The flowers are large and strong, stiff stems. Each, 25c; doz., $2.15; 100, $14.00.

Paul Baudry (28 in.) Bright violet-purple, a strong finely formed flower, may be forced immediately after William Copeland. This is one of the best purple Darwin tulips for early forcing. Doz., 85c; 100, $6.25; 1,000, $57.50.

Philippe de Commines (26 in.) Velvety. Doz., 70c; 100, $5.00; 1,000, $47.50. (Illustrated on Cover D.)

President Garfield (28 in.) A real dark blue flower of great beauty. This is far superior to the well-known Darwin Jubilee. Large and strong flower and stiff strong stem. Highly recommended for exhibition purposes. Doz., $1.70; 100, $12.50.

Rev. H. Ewbank (20 inches) Deep lilac, toning at the edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat, open flower. Lasts well. Most popular of this shade. Doz., 70c; 100, $5.00; 1,000, $47.50. (Illustrated on Cover D.)

Wheaton Collection
Darwin Tulips

Ten each of the following representative varieties of Darwin Tulips (100 first size bulbs) will be sent postpaid for..... $6.00

- 10 Afterglow, salmon orange
- 10 City of Haarlem, cardinal red
- 10 Faust, blue purple
- 10 Inglescombe, yellow
- 10 Jubilee, bluish violet
- 10 Princess Elizabeth, rose
- 10 Queen of Hearts, soft rose
- 10 Sir Trevor Lawrence, purple violet
- 10 Tennessee, rosy carmine
- 10 Zwanenburg, white

This collection of 100 bulbs of the wonderfully blended Darwin varieties will provide your garden with a display of which you may well be proud.

★Scotch Lassie (29 in.) (Award of Merit). Of purest deep lavender with darker shade inside and with dark blue base. Among the best lavender tulips in our collection. Highly recommended. Doz., $1.75; 100, $12.50.

Sir Trevor Lawrence (29 in.) Purplish-violet, white center. Large flower and a good keeper. Doz., 90c; 100, $6.50; 1,000, $62.50. (Illustrated on Cover G.)

★The Bishop (29 in.) A magnificent large flower of clear, deep violet, with a blue base circled by a white halo. A beautiful tulip of good form. Doz., $1.70; 100, $12.00.

Tilly Luss (27 in.) A lovely rose-purple with grayish black center; large, pointed flower of great substance. Doz., $1.25; 100, $9.00; 1,000, $85.00.

William Copeland (25 in.) (Sweet Lavender). Outside this variety produces flowers of fine rosy lilac, but is at its best when grown indoors during the winter. When forced indoors the flowers are the purest lavender of all tulips. Doz., 70c; 100, $5.00; 1,000, $47.50.

Zev (27 in.) A fine violet-blue with lighter border Flower is large and well formed. Doz., $1.00; 100, $7.50; 1,000, $70.00.

Yellow

★Yellow Giant (29 in.) A golden yellow tulip of great beauty and size, a large flower with black anthers. Tall and strong stem. This is the best of the several yellow Darwin tulips offered. Doz., 85c; 100, $6.00; 1,000, $55.00.

"THE WINNER"

In this collection we offer outstanding varieties recommended for exhibition at flower shows. Six each of the following varieties, separately labeled, postpaid

For $3.00

Pres. Taft, Bright Red
The Bishop, Deep Violet
Mermaid, Flesh Pink
Yellow Giant
Venus, Rose
Duke of Wellington, White.

GIANT WHITE DARWIN TULIP SHOT SILK

COLLECTIONS OF BULBS FOR *Rock Gardens*

These are all flowers which belong in rock gardens. They like good drainage and need not be planted deeply; four times the diameter of the bulb is the general rule. Those that blossom early will look best against the background of a rock. They do not need protection from the cold, but will escape many dangers if they are shaded from spring sunshine which might bring them prematurely into growth. In shallow soil, a mulch which will protect them from the wash and spatter of March rains is advisable.

48 Bulbs, 8 Different Kinds, $2.

We will send bulbs of the finest quality of the following: 6 Snow-drops, 6 Chionodoxas, 6 Scilla Siberica (Blue Bells), 6 Crocus, 6 Species Tulips, 6 Fritillaria Meleagris, 6 Erythronium (Dog Tooth Violets), 6 Muscari (Grape Hyacinths)—48 bulbs in all, for $2.00, postpaid.

102 Bulbs, 9 Different Kinds, $4.

We will send bulbs of the finest quality of the following: 12 Snow-drops, 12 Chionodoxas, 12 Scilla Siberica, 12 Crocus, 18 Species Tulips, 6 Fritillaria Meleagris, 6 Erythronium (Dog Tooth Violets), 18 Grape Hyacinths, 6 Leucojum Vernum—102 bulbs in all, prepaid for $4.00.

277 Bulbs, 10 Different Kinds, $10.

We will send bulbs of the finest quality of the following: 25 Snow-drops, 25 Scilla Siberica, 25 Chionodoxas, 50 Crocus, 36 Species Tulips, 12 Fritillaria Meleagris, 50 Grape Hyacinths, 24 Jonquils (true), 12 Miniature Daffodils, 12 Eranthis, 6 Iris Reticulata—277 bulbs in all, for $10.00 prepaid.

Darwin Tulips, White and Blush

★Avalon (29 in.) An excellent newcomer. Tall, strong, straight stem and pure snow white color. This tulip possesses unusual beauty of form and is very vigorous. Doz., $1.10; 100, $8.00; 1,000, $75.00.

Duke of Wellington (26 in.) A delightful creamy-white flower of great beauty; white anthers and base; good stiff stem. Doz., $1.35; 100, $9.50; 1,000, $90.00.

Glacier (28 in.) A giant white with white base and anthers. Tremendous oval shaped flower with very substantial flower-petals. Does not open as wide as most Tulips do when placed in warm room. We do not know of another tulip of its size and with same lasting qualities. Each, 60c; doz., $6.00; 100, $45.00.

Mrs. Grullemans (30 in.) The queen of all Tulips. It is a lovely pure white Ideal Darwin Tulip; with very large flowers of great substance, with a pure white center, light sulphur yellow anthers and stiff tall stem. Recommended for forcing; the flower then becomes creamy white. Each, 25c; doz., $2.50; 100, $18.00.

★Shot Silk (23 in.) An outstanding variety; pure silky-white with white base and anthers. One of the very best when forced in late January, with remarkable strong wiry stem and lovely oval flower of great substance. Highly recommended for forcing in mid-February or for pot culture. Doz., $1.45; 100, $10.50, 1,000, $100.00.

White Emperor (29 in.) Pure white, creamy white center with black anthers. Recommended for forcing in late January, also a delightful bedding variety. Large and strong flower. Doz., $1.10; 100, $8.00; 1,000, $75.00.

White Giant (30 in.) This is a perfect white tulip, it has the correct Darwin-form, straight, stiff and tall stem, flower petals are thick; it is without question one of the best white tulips ever offered. May be used for forcing in early February or for bedding. We fully recommend it. Each, 25c; doz., $2.15; 100, $14.00.

★Zwanenburg (28 in.) Pure white with black anthers. Large flower, highly recommended for both bedding and forcing. Doz., $1.00; 100, $7.50; 1,000, $72.50. (Illustrated on Cover G.)

Laciniated Darwin

★Sundew (25 in.) This flower is something entirely new in tulips. The curved petals are provided with barbs, giving the edges of the flower a fringed effect. It is said to be a natural sport of the popular variety Bartigon, retaining the brilliant crimson coloring and magnificent size of its parent. Doz., 75c; 100, $5.25; 1,000, $47.50.

New Race of Triumph Tulips

NOT since the Darwin race was introduced, has so great an improvement been made in the tulip family, as in the new Triumph class. Here are early tulips—coming at a time when every bit of color in the garden is more precious because there is so little of it—with stems as tall, flowers as large and colors even more brilliant than the Darwins. A hybrid of the Darwin and early singles, the Triumph tulips have a distinctive beauty of their own, and a clear luminous color quality which will make you treasure them. Two full weeks are added to the tall tulip season by planting these.

Aviator (24 in.) Bright carmine-red with white border, center white. Large flower. Doz., $1.00; 100, $7.50; 1,000, $70.00.

Algiba (17 in.) Purplish-mauve, edged paler mauve. Doz., 85c; 100, $6.00; 1,000, $55.00.

Alberio. (24 in.) Glossy cherry-red with very small yellow rim around petals. Large flower, good bedder. Doz., $1.00; 100, $7.50; 1,000, $70.00.

★Denbola (18 in.) Dark amaranth-red with a broad edge of creamy white and a bluish white base. Doz., $1.20; 100, $8.50; 1,000, $80.00.

★Kansas (22 in.) Snow white, lemon yellow center. Doz., 95c; 100, $7.00; 1,000, $65.00. (Illustrated on Cover C.)

★Lord Carnarvon (22 in.) Pink, white base and white edged. Doz., 75c; 100, $5.50; 1,000, $52.00.

Telescopium (23 in.) Violet rose, strong flower on stiff stem. Doz., 85c; 100, $6.00; 1,000, $55.00.

★Ursa Minor (17 in.) Deep golden yellow. Doz., $1.10; 100, $8.00; 1,000, $75.00.

Extra Fine Mixed Doz., 75c; 100, $5.50; 1,000, $52.50.

Mendel Tulips

THIS race was created by crossing Duc van Tholl tulips, which have rather small flowers, are very early, and easily forced, with Darwin varieties. The result was a class of tall, large flowered varieties, which can be forced into flower for Christmas and bloom in the garden three or four weeks in advance of the Darwins. They are highly recommended for growing indoors.

Amidonette (21 in.) Bright red, edged white. One of the best in our trial garden. Doz., 95c; 100, $7.00; 1,000, $65.00.

★Brightling (21 in.) Light rose-red with salmon flush. Very large flower. Doz., $1.40; 100, $10.00; 1,000, $95.00.

★Fire Glow (18 in.) Good real red, yellow base. Doz., $1.00; 100, $7.50. 1,000, $70.00.

★Mrs. E. H. Krelage (18 in.) Rose with white base, strong grower. Doz., 95c; 100, $7.00; 1,000, $65.00.

Scarlet Admiral (20 in.) Brilliant vermil. red a very fine large flower. Doz., $1.00; 100, $7.50; 1,000, $70.00.

★The Rose (18 in.) Beautiful lilac-rose, good stiff stem. Doz., 85c; 100, $6.00; 1,000, $55.00.

★Weber (18 in.) White with pink edge. Doz., $1.00; 100, $7.50; 1,000, $70.00.

Zenober (18 in.) Cochineal-red, one of the best reds. Doz., 90c; 100, $6.50; 0,100, $60.00.

Mixed Doz., 90c; 100, $6.50; 1,000, $60.00.

Tulip Grullemannii

ONE of the outstanding introductions of last few years is this new type. It has been obtained by crossing a Darwin with a species tulip. The flowers are long and large, carried on stout stems holding the blossom boldly upright. All are about 27 inches in height and of remarkably robust habit. The bulbs multiply rapidly.

Inga Hume (24 in.) Inside deep yellow slightly sprayed red, outside red with broad, sharply lined yellow edge, large black base, perfect formed large flower on erect stem, very fine variety. Highly recommended for forcing, it will outlast any other tulip and becomes more beautiful as the flower ages. Each, 20c; doz., $1.70; 100, $12.00.

★Magnolia Mineva (28 in.) Inside cream-white faintly sprayed red, outside red with broad white edges. Purplish blue base. Tall erect stem. Each, 15c; doz., $1.50; 100, $11.00.

Mimoza (28 in.) Inside primrose-yellow, outside blush white with a faint red shade on the outer petals, beautiful black base with broad, yellow edge, enormous perfect flower of oblong shape, tall erect stem. Each, 15c; doz., $1.50; 100, $11.00.

Cottage Tulips

COTTAGE TULIPS WITH PANSIES

COTTAGE tulips are inclined to have pointed petals, sometimes turned back, and the blossom to be smaller and more slender. But they harmonize perfectly with the Darwins and Breeders and supply a quality of clear, bright color which these lack. They blossom a few days later than the Darwins, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Light shade also lengthens stems. Many sweet-scented varieties are included, such as Gesneriana Lutea, and Mrs. Moon.

Red and Orange

Advance (28 in.) A glorious orange-scarlet tulip of tremendous size. Center is glittering black, strong, tall stem. This is a crossing between C. T. Gesneriana Spathulata and Tulipa Tubergeniana. A wonderful novelty, which we recommend for exhibition purposes. Each, **30c**; doz., **$3.00**; 100, **$22.00.**

★Grenadier (20 in.) Magnificent light orange. When the sun shines on a fully expanded flower of this variety the color is dazzling. Flower is long, born on graceful stem. Doz., **75c**; 100, **$5.50**; 1,000, **$52.50.**

Glare of the Garden (18 in.) Large egg shaped blooms of rich velvety crimson, with black and gold base. Pronounced the finest of all late crimson tulips. Doz., **90c**; 100, **$6.50**; 1,000, **$62.50.**

★G. W. Leak (25 in.) Bright vermillion, yellow center. Should be a valuable addition to your collection. Doz., **$1.75**; 100, **$12.50**; 1,000, **$110.00.**

★Henry Correvon (25 in.) Bright geranium red with pure white base. A beautiful tulip and highly praised in our trial gardens. Doz., **$1.80**; 100, **$13.00**; 1,000, **$120.00.**

Inglescombe Scarlet (16 in.) Brilliant vermilion with a black base. One of the best reds. Doz., **85c**; 100, **$6.00**; 1,000, **$55.00.**

★Marshall Haig (26 in.) Brilliant scarlet with glittering red interior, yellow base. A fine tulip for the garden. Each, **25c**; Doz., **$2.35**; 100, **$17.00.**

★Lohengrin (27 in.) Brilliant cochineal-red, slightly shaded orange, large white center, yellow anthers. Large urn-shaped long stemmed flowers that are really beautiful. Doz., **$1.35**; 100, **$9.50**; 1,000, **$90.00.**

★Mayflower (28 in.) The largest of all tulips in existence, a beautiful light orange scarlet with glittering black center. This is a crossing between Tulipa Gesneriana Spathulata and Tulipa Tubergeniana. A tulip which needs no recommendation. Very early. Each, **40c**; doz., **$3.85**; 100, **$28.00.**

★Mazeppa (23 in.) Bright cochineal-red, large white center. Novelty. Each, **25c**; doz., **$2.35**; 100, **$17.00.**

OAK PARK COLLECTION
COTTAGE TULIPS

Ten each of the following ten representative varieties of Cottage Tulips, (100 first size bulbs) will be sent postpaid for..... **$6.00**

10 Jeanne Desor, orange with red.
10 Dido, pink and salmon.
10 Inglescombe Yellow.
10 Glare of the Garden, crimson.
10 Grenadier, orange.
10 General French, cerise-red.
10 Maiden's Blush, white with rose margin.
10 Carrara, white.
10 Mrs. Moon, fragrant yellow.
10 Rosabella, pure pink.

This collection of 100 bulbs of the delightfully graceful, brilliantly colored Cottage Tulips will insure your garden a well balanced display.

Nectar (24 in.) Crimson with a large, pure white base that contrasts its rich color. Slightly reflexed petals. Extremely large flower. We recommend "Nectar" as an exhibition, cut flower, and garden variety. Doz., **85c**; 100, **$6.00**; 1,000, **$55.00.**

Orange King (23 in.) Deep orange, inside of cup deep orange-scarlet with yellow center. Globular flower, sweet-scented. Doz., **75c**; 100, **$5.50**; 1,000, **$50.00.** **(Illustrated on Cover D.)**

★President Hoover (27 in.) Deep orange-scarlet, outside orange. Large flower with strong stiff stem. Doz., **$1.40**; 100, **$10.00**; 1,000, **$95.00.**

Bronze

★Ambrosia (22 in.) An enchanting combination of bronze with rosy lilac; inside is a salmon-orange tone. A pleasing soft blend that harmonizes with many colors. Doz., **75c**; 100, **$5.50**; 1,000, **$50.00.**

MIXTURES
Cottage Tulips
Vaughan's Special

AN excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Doz., **85c**; 100, **$6.00**; 1,000, **$55.00.**

Regular Holland Mixed. Doz., **70c**; 100, **$5.00**; 1,000, **$45.00.**

Pink and Rose

★Barbara Pratt (32 in.) Rich light cochineal carmine, edges lilac-rose. A very beautiful tulip with slightly reflexed petals. Highly recommended. Doz., **$1.55**; 100, **$11.00**; 1,000, **$100.00.**

★Dido (26 in.) Superb in form, poised erect on a straight stem, we know of no other tulip that has more fragrance and brilliant coloring than Dido. It is a deep, rich pink with salmon lights, suffused and slightly edged orange. Doz., **75c**; 100, **$5.50**; 1,000, **$50.00.**

General French (26 in.) Immense size, perfect form, of warm rose tone. The flower is egg-shaped, many of the petals being fully six inches in length. Created a sensation last spring at our trial grounds. Doz., **85c**; 100, **$6.00**; 1,000, **$55.00.**

Inglescombe Pink (24 in.) Warm pink tinged orange near edges of petals when it first opens. Age makes this tulip more beautiful, as after the first few days it changes to pure pink. Doz., **75c**; 100, **$5.50**; 1,000, **$50.00.**

★John Ruskin (24 in.) Large egg-shaped bloom of graceful form and habit. Flowers are salmon and rose with pale yellow margin; inside heliotrope with golden border and base. Really a masterpiece in color and shape. Doz., **75c**; 100, **$5.50**; 1,000, **$50.00.**

Maiden's Blush (20 in.) The old English Picotee; snow-white with a margin of rose. The petals are very pointed and reflex beautifully. Doz., **70c**; 100, **$5.00**; 1,000, **$47.50.**

Marjorie Bowen (24 in.) A very unusual shade—a combination of buff and salmon which passes to deep rose-pink with salmon shading. The large, well-formed flower is borne on a fine, strong stem. Doz., **$1.80**; 100, **$13.00**; 1,000, **$120.00.**

★Rosabella (18 in.) This graceful tulip can be compared to the loveliness of a rose bud. Pure pink in color, it possesses great charm. Doz., **90c**; 100, **$6.50**; 1,000, **$60.00.**

Yellow

★Arethusa (27 in.) Canary-yellow, large well formed flower on strong stem. You should have this one in your garden. Doz., **$1.10**; 100, **$8.00**; 1,000, **$75.00.** **(Illustrated on Cover. G.)**

Argo (22 in.) While the flower is not large, it stands out amongst all others for its rich color. It is deep golden yellow, slightly penciled toward the top edges with orange, which deepens as the flower ages. Doz., **85c**; 100, **$6.00**; 1,000, **$55.00.**

Avis Kennicott (22 in.) Long, pointed flower, very large, deep chrome-yellow, with striking black base. A tone that contrasts beautifully when planted with blue-bells (Mertensia.) Doz., **75c**; 100, **$5.50**; 1,000, **$50.00.**

★Golden Harvest (28 in.) Large golden-yellow flower of great substance. Tall stiff stem. Here is a real exhibition flower, best yellow in existence. Each, **30c**; doz., **$3.00**; 100, **$22.00.**

Jeanne Desor (28 in.) Deep orange-yellow with a broad border of scarlet toward the edge of the petals. The long, well-formed flower is of splendid substance, and borne on a strong, stiff stem. Doz., **$1.10**; 100, **$8.00**; 1,000, **$77.50.**

★Inglescombe Yellow (18 in.) A fine large, globe-shaped flower, color full rich yellow; sometimes called the Yellow Darwin. Doz., **70c**; 100, **$5.00**; 1,000, **$47.50.** **(Illustrated on Cover D.)**

★Moonlight (20 in.) Long, narrow flower of beautiful pale yellow. Opens two or three days sooner than most yellow Cottage tulips. Doz., **85c**; 100, **$6.00**; 1,000, **$55.00.** **(Illustrated on Cover C.)**

★Mrs. Moon (26 in.) This is one of the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders. Doz., **85c**; 100, **$6.00**; 1,000, **$55.00.**

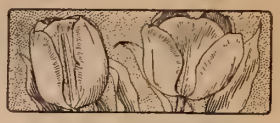
White

Albino (22 in.) A fine, pure white. Flower is large. Can be used for forcing. Doz., **$1.10**; 100, **$8.00**; 1,000, **$75.00.**

★Carrara (22 in.) This tulip has created a sensation at the various spring flower shows. It is round and pure white. The flower is very large. Doz., **$1.00**; 100, **$7.50**; 1,000, **$70.00.**

Vesta (25 in.) White, good for late forcing or bedding. Doz., **95c**; 100, **$7.00**; 1,000, **$65.00.**

Breeder Tulips



BREEDER tulips are closer to the parent type of this ancient flower than others. The origin of the tulip is hidden in the dim past. But we know that the Dutch fanciers who in 1634 to 1637 speculated in new varieties during the reign of TULIPOMANIA grew the "mother bulbs," or Breeder Tulips, to produce new striped varieties by "breaking." The Darwin race is supposed to have developed from the Breeders. For a long time the dark rich colors of the latter were neglected in favor of the brighter and clearer tones of the other types. But recently taste has changed, and the richly hued Breeders have come into favor.

They blossom in May, and though some are not so tall, perhaps produce, as a rule, even larger blossoms than the Darwins. The colors include many rare among flowers—browns, bronzes, purples, blue-blacks, deep mauves, dull gold and dark lilac all exquisitely blended.

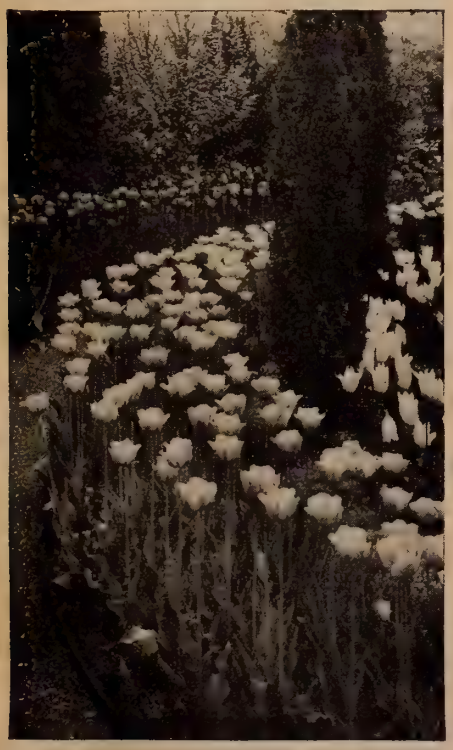
PLANTING. Plant the same as Darwins.

★Varieties starred thus are in our opinion of outstanding merit for garden planting.

Alice Keith (27 in.) Very bright orange-yellow edged golden with small olive green base. Large flower on strong stem. One of the finest Breeder Tulip for bedding. The flower becomes more beautiful as it ages. Doz., $1.00; 100, $7.50; 1,000, $70.00.

Augustus (30 in.) Deep greyish red and flushed purple flower of tremendous size, white base. Strong growing variety with a tall and stiff stem. Each, 20c; Doz., $1.70; 100, $12.00.

★Bacchus (28 in.) Though introduced over 300 years ago, it has no superior in clear, richness of color and beauty of form. The color is very similar to the purple of Concord grapes. Doz., 90c; 100, $6.50; 1,000, $60.00.



Breeder Tulips May be Planted with Cottage, Darwin and the Other Late Types for Desired Color Effects

★Brigadier (27 in.) A chestnut-brown shaded orange, bordered lighter orange, oval shaped flower of good substance. Doz., $1.10; 100, $8.00; 1,000, $75.00.

Bronze Queen (28 in.) Soft buff, inside tinged golden bronze, good forcer. Doz., 70c; 100, $5.25; 1,000, $47.50.

Cardinal Manning (34 in.) Bishop's purple, flushed rosy bronze changing to an almost pure orange at the extreme edges of the petals, tinged yellow base. Large egg-shaped. Doz., 85c; 100, $6.00; 1,000, $55.00.

Cherbourg (30 in.) Undoubtedly one of the finest Breeder Tulips. A deep tone of golden yellow, with a suffusion of terra cotta, the deeper tone of yellow growing stronger toward the edges of the petals. Each, 20c; doz., $1.70; 100, $12.00.

Chestnut (25 in.) Very dark brown almost black medium size flower. Doz., $1.10; 100, $8.00; 1,000, $75.00.

Crusader (30 in.) A fine large blood-red flower. Shaded plum outside, blue base, strong stem. Each, 25c; Doz., $2.25; 100, $18.00.

★Dillenburg (27 in.) A glorious salmon orange, shaded rose. The flowers are large and borne on strong, stiff stems. Highly recommended for exhibition purposes but should not be used for early forcing. Doz., 85c; 100, $6.00; 1,000, $55.00. **(Illustrated on Cover C.)**

Lake Forest Collection

BREEDER TULIPS

Ten each of the following ten representative varieties of Breeder Tulips (100 first size bulbs) will be sent, postpaid, for.. $7.00

10 Bacchus, grape blue
10 Bronze Queen, soft buff
10 Cardinal Manning, wine red
10 Chestnut Brown.
10 Heloise, deep magenta red
10 Louis XIV, purple and gold
10 Dillenburg, salmon orange.
10 Panorama, deep red
10 Prince of Orange, orange scarlet
10 Velvet King, purple

This collection of 100 bulbs will insure your garden a well balanced display of the richly colored, artistic Breeder Tulips.

Don Pedro (27 in.) A beautiful shade of coffee-brown, shaded maroon, inside rich mahogany. Most fragrant. Doz., 85c; 100, $6.00; 1,000, $55.00. **(Illustrated on Cover C.)**

★Heloise (25 in.) Enormous flower of fine form, deep magenta-red, with a yellow base edged olive. This variety bears our special recommendation. Doz., $1.10; 100, $8.00; 1,000, $75.00.

Hirschbrun (28 in.) Large flower, dull carmine-violet with brown merging into mahogany towards the edges, base very dark. Each, 30c; Doz., $2.60; 100, $16.00.

★Indian Chief (38 in.) Above all other tulips, even Louis XIV, Indian Chief towers like a giant, dwarfing in comparison varieties that we long considered unsurpassable. The flower is enormous, very widely opened, and squarely built. The flower is mahogany red in color, the petals are of very heavy texture, the stem extremely heavy and straight. Doz., $1.85; 100, $12.50; 1,000, $115.00. **(Illustrated on Cover G).**

MIXTURES

Vaughan's Special

An excellent collection of this popular class of Tulips, including many rare colors. Doz., 90c; 100, $6.50; 1,000, $60.00.

Regular Holland Mixed. Doz., 75c; 100, $5.50; 1,000, $50.00.

INDIAN CHIEF

★Louis XIV (36 in.) Since it was introduced twenty years ago, this variety has been considered by many good judges to be the finest of all tulips. Others may match it in height, in size, or in rich coloring; but a rival which equals it in all these qualities is yet to appear. In the garden it is always magnificent, and as a cut flower its rich blend of purple and gold is truly royal. Offered by us in 1918 at $13.00 a dozen, increased production has brought its price down to a minimum, but its beauty remains unchanged and unrivaled. Doz., 95c; 100, $7.00; 1,000, $65.00. **(Illustrated Cover C).**

Lucifer (28 in.) An assembly of very capable judges of flowers pronounced this variety the most beautiful of the orange red tulips. Very late flowering, tall stem, and very brilliant color Good form and excellent substance. Doz., $1.00; 100, $7.50; 1,000, $70.00.

Orange Glory (26 in.) Bright golden bronze with orange flush, perfectly globular flower of great substance. Doz., $1.40; 100, $10.00; 1,000, $95.00.

★Panorama (24 in.) (Fairy) Rich deep red of beautiful form, strong stem and good substance. Excellent cut flower. Doz., 90c; 100, $6.50; 1,000, $60.00.

Prince of Orange (25 in.) Orange-scarlet, edged light yellow flower of striking beauty. Doz., 85c; 100, $6.00; 1,000, $55.00.

Roi Soleil (32 in.) Rich dark bronze, flamed purple, Breeder T, sport of Louis XIV. Doz., $1.00; 100, $7.50; 1,000, $70.00.

St. James (28 in.) Dark rosy lilac, edged bronzy tan, with coppery rose flush at tips of petals; inside ruddy mahogany, edged golden brown with yellow and green base. Large, tall. Doz., 90c; 100, $6.50; 1,000, $60.00.

★Sundance (26 in.) Dark orange, flushed bronze, edged light bronze. The flowers are large, well formed, and carried on strong stems. We recommend this variety for forcing in late January and for planting in the garden. Doz., $1.00; 100, $7.50; 1,000, $70.00.

Thomas Stephenson (33 in.) Beautiful lavender, delicately flushed red with darker shadings inside towards the base which is clear blue. Enormous flower of fine substance that is carried on a straight strong stem. Each, 25c; Doz., $2.25; 100, $15.00.

Turenne (25 in.) A remarkably fine tulip of rich purple, broadly margined amber. Doz., 90c; 100, $6.50; 1 000, $60.00.

Velvet King (21 in.) Crimson-maroon, reflecting a purplish "bloom"; deep crimson inside. Creamy white base. Rounded petals. Distinct in color and shape from Zulu. Very fine. Doz., $1.40; 100, $10.00; 1,000, $95.00.

Vindictive (26 in.) Bright orange, flowers are large and well formed, good stiff stem. We recommend this variety for garden planting. Doz., $1.25; 100, $8.50; 1,000, $80.00.

★William the Silent (26 in.) Enormous, handsome flower of dark violet-purple with white base. The cup is well opened, the stem strong, and the flower has a glossy sheen. Each, 25c; doz., $2.25; 100, $15.00.

Striped and Parrot Tulips

PARROT TULIP GLORIOSA

Parrot Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all tulips. Flowering at the same time as other late sorts; they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height is 15 inches.

Admiral de Constantinople Red, tipped orange. Doz., 75c; 100, $5.50; 1,000, $50.00.

★Fantasy A remarkable Parrot Tulip with a straight, strong stem, a quality which has always been lacking in Parrot tulips. This variety is a sport of the well-known Darwin tulip, Clara Butt, and has the same clear pink color as its parent, combined with artistic form of a Parrot tulip. Each petal is over three inches long, and two inches across. The center of the petals on the outside are marked emerald green. Doz., 85c; 100, $6.00; 1,000, $55.00. (Illustrated on Cover E.)

GEMMA
Large white flowers slightly flushed apple-blossom pink. Flowers earlier than other Parrots. Doz., $1.10; 100, $8.00; 1,000, $70.00.

Gloriosa Red and yellow. Doz., 75c; 100, $5.50; 1,000, $50.00.

Lady Derby Lovely violet and pink with lighter edge. White center, edged blue. Large strong flower and stem. Each, 25c; Doz., $2.25; 100, $15.00.

Lutea Major Bright yellow; large. Doz., 75c; 100, $5.50; 1,000, $50.00.

Mixed Superfine Doz., 70c; 100, $5.00; 1,000, $45.00.

250 Bulbs Will be Sold at the 1,000 rate

Striped Tulips

THOUGH too gay for modern taste to serve in large plantations, the old-fashioned striped tulips are beautiful. They prove that the Dutch tulipomania was not without excuse, and no gardener who wishes his collection to be representative will be without some specimens.

Bizarres Mixed. Flowers beautifully blotched, striped and feathered with crimson pink, scarlet, rose, lilac and purple on yellow ground. Doz., 90c; 100, $6.50; 1,000, $60.00.

Bybloemens Mixed. White ground, blotched, striped or feathered with lilac, purple, violet, blue. Doz., 90c; 100, $6.50; 1,000, $60.00.

Lily Flower Tulips

As the result of crossing the dainty pointed-petaled Tulipa retroflexa with a pink Darwin, we have here a new, very beautiful, and distinct race of Tulips having graceful, slightly reflexing flowers on tall, sturdy stems.

Adonis (24 in.) Long fine shaped flower of a vivid rosy red. Doz., 90c; 100, $6.50; 1,000, $60.00.

★Alaska (27 in.) Long-shaped flower, with slightly reflexing outer petals. The whole flower is a rich, golden yellow. A prize winner which is as beautiful as it is novel. Doz., 85c; 100, $6.00; 1,000, $55.00.

Artemis (24 in.) Bright carmine-rose, pure white base. Doz., 85c; 100, $6.00; 1,000, $55.00.

Daphne (30 in.) Sulphury white reflexed petals. Very graceful Tulip. Doz., $1.80; 100, $13.00; 1,000, $120.00.

Marcellina (24 in.) Delicate cerise-pink with pure white base and yellow anthers. A good novelty. Doz., $1.10; 100, $8.00; 1,000, $75.00.

Retroflexa Superba (18 in.) Deep golden yellow, with very pointed recurving petals. Very graceful and sweet-scented. Height, 20 in. Doz., 85c; 100, $6.00; 1,000, $55.00.

★Sirene (24 in.) A very beautiful flower. Rich rose-pink with pale-pink at the margins of segments, white base. Fine forcer. Great exhibition flower of exquisite beauty. Doz., 80c; 100, $5.75; 1,000, $52.50.

White Duchess (27 in.) Pure white flower of exquisite beauty, petals are undulated and recurved. A fine variety for exhibition purposes. Each, 30c; Doz., $2.75; 100, $20.00.

Wild Tulip Species

For the Rock Garden and Hardy Plant Border

The general characteristics of the various species, all of which are natives of Asia Minor and Central Asia, are bright colors and recurved petals. These Tulips do not always feel happy in their new surroundings and after two, or possibly three, seasons they will disappear. With care and the provision of suitable quarters they will flower quite satisfactorily. They feel best contented in rock gardens and borders.

Australis (Celsiana) Yellow, tinged on outside of petals reddish bronze, a pretty species somewhat resembling T. Sylvestris, is found growing in Spain and Southern Europe. Height 16 inches. Flowering in April. Doz., 90c; 100, $6.75; 1,000, $63.00.

TULIP CLUSIANA (CANDY-STICK)

WILD TULIP SPECIES—Continued

Cornuta Stenopetala Beautifully formed flower, laciniated like a Parrot Tulip, but held upright on tall, stiff stem. Very interesting and curious in a collection. Color combination, scarlet and gold. Doz., $2.10; 100, $13.50.

★Clusiana "Lady" or "Candystick" Tulip. Outer petals bright cherry red inner petals creamy white, with violet base; small flower, but very distinct. It should be planted in light soil 6 or 9 inches deep, in the rock garden or among stones in the front of the herbaceous border. A warm and sheltered situation should be chosen. Flowering season late April, Height, 8 inches. Doz., 75c; 100, $5.50; 1,000, $52.50.

Eichleri A grand Tulip from Turkestan; immense crimson-scarlet flowers with glistening black center marked with gold. Flowers at the same time the single early tulips do. Has very pointed petals. Height 11 inches. Doz., 75c; 100, $5.50; 1,000, $50.00.

Florentina Odorata (Sylvestrus) Deliciously fragrant butter-yellow blossoms, often two to a stem, with bronze exteriors, carried on slender, arching stem. Increases rapidly when once established. Interplant with Grape Hyacinths. Height, 18 inches. Doz., 95; 100, $7.00; 1,000, $65.00.

Fosteriana (Red Emperor) Fosteriana is a majestic tulip of great size; the dazzling scarlet flowers are borne upon stout stems, 18 inches and even as much as 24 inches high. Vermilion orange will perhaps best describe their intense and lovely color. Drainage must be perfect, and the sunniest place possible should be apportioned to it. It flowers in late April. Each, 55c; doz., $5.50; 100, $40.00.

Forsteriana (18 in.) Brilliant scarlet, yellow center. Each, 30c; Doz., $2.75; 100, $18.00.

★Kaufmanniana (The Water Lily Tulip). Large, creamy flower, brilliantly marked with carmine, yellow center. Flower opens flat and is carried on a stem usually 6 inches in height. Blooms early in April. The bulbs should be planted six inches deep. Splendid for naturalizing in shady places; self-sows freely. One of the first to flower. Height 5 to 7 inches. Doz., $1.40; 100, $10.00.

Marjoletti (14 in.) Primrose-yellow shaded carmine-red, green starred base. Doz., 95c; 100, $7.00; 1,000, $65.00.

Rembrandt Tulips

REMBRANDT tulips are in reality "broken" forms of Darwin tulips. Broken tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms possess splendid decorative value. The stems average from 18 to 22 inches in height.

Rembrandt Mixed
Doz., 85c; 100, $6.00; 1,000 $55.00.

Anne Mary Base pure white, anthers black Petals mainly white with some reddish violet stripes. Received Award Merit (Haarlem) Height, 22 inches. Doz., 95c; 100, $7.00; 1,000, $65.00.

Julienne Rose, striped and feathered carmine-purple and white. Edges of petals broadly blotched white. Doz., 95c; 100, $7.00; 1,000, $65.00.

Red Prince Rose-flamed fiery red. Doz., 95c; 100, $7.00; 1,000, $65.00.

Semele White, heavily striped and feathered, vivid rosy pink. Large, of exquisite coloring. Doz., 95c; 100 $7.00; 1,000, $65.00.

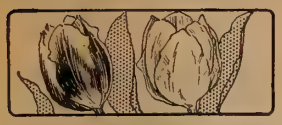
Thetis Base blue stripes, anthers black. Petals cochineal-carmine and wide white stripes. Height, 24 in. Doz., 95c; 100, $7.00; 1,000, $65.00.

Victor Hugo Brilliant carmine-red, feathered and white. Doz., 95c; 100, $7.00; 1,000, $65.00.

Bunch Flowered Tulips

Monsieur Mottet A most charming and striking and very unusual scene is to see this tulip in full bloom. It is unusual, for it always produces not one, but three to six or more flowers from each bulb. The flowers are of Cottage form, narrow and pointed, and cream white in color. A very interesting and fine garden tulip. Doz., 85c; 100, $6.00; 1,000, $55.00.

Brilliant Garden Color Three Weeks Earlier from



Single Early Tulips

TWO OR THREE weeks of brilliant color in April, following the daffodils and preceding the Darwin tulips, are worth much to any garden. The early tulips alone can supply it; and among them can be found varieties of delicate tints and shades, as beautiful and with flowers as large as anything the May-flowering classes can produce. In height, 12 inches is not uncommon, and a graceful carriage fits these taller kinds to serve in any role a Darwin would grace.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

★ **Varieties starred thus are in our opinion of outstanding merit for garden planting.**

Yellow and Orange

★General DeWet 10a. Beautiful, deep orange, shaded golden yellow at the base of the petals. A very fragrant flower and one of the finest varieties in cultivation. There is no other orange variety which equals it in brilliancy. It is therefore one of the showiest bedders, and as it forces splendidly we can recommend it for all purposes. Doz., **95c; 100, $7.00; 1000, $65.00. (Illustrated on Cover C.)**

Mon Tresor 7a. The purest yellow and best variety for outdoor planting as well as inside growing. Very large cup of golden yellow. Doz., **90c; 100, $6.50; 1,000, $60.00.**

★Rising Sun 8a. The brilliance of its namesake is seen in the golden beauty of this magnificent tulip. Large, of good form, and sturdy growth, it is an ideal tulip for bedding and border. Doz., **85c; 100, $6.00; 1,000, $55.00.**

Sunburst 12a. Yellow, flushed with red. A beautiful tulip for bedding or forcing. Doz., **$1.00; 100, $7.50; 1,000, $70.00.**

Yellow Prince 8a. Golden yellow, fine forcer. Doz., **75c; 100, $5.50; 1,000, $50.00.**

Single White

★Diana 14b. Pure glistening white, with a yellow base; long flower of handsome shape. A fine new tulip which grows more beautiful as it ages. Doz., **85c; 100, $6.00; 1,000, $55.00.**

La Reine Maxima. 8b. A lightly flushed white tulip of large size. Makes charming beds with lavender violas. Splendid for forcing. Doz. **85c; 100, $6.00; 1,000, $55.00.**

Lady Boreel 8b. Pure white, splendid. Doz., **95c; 100, $7.00; 1,000, $65.00.**

White Swan 15b Pure white. Doz., **75c; 100, $5.50; 1,000, $52.50.**

White Hawk 7a. White; very fine. Doz., **90c; 100, $6.50; 1,000, $62.50.**

TULIP FRED MOORE

Single Scarlet and Crimson

Artus 7b. A splendid deep scarlet. Doz., **75c; 100, $5.50; 1,000, $52.50.**

Belle Alliance 8b. Brilliant scarlet. Dozen, **85c; 100, $6.00; 1,000, $55.00.**

Brilliant Star 8a. Bright glowing scarlet; very early. Doz., **90c; 100, $6.50; 1,000, $60.00.**

★Couleur Cardinal 8a. As its name denotes this variety possesses the brilliant red coloring called Cardinal. Immense blooms of good cup form open later. Doz., **90c; 100, $6.50; 1,000, $60.00.**

★Fred Moore 10b. Beautiful, large orange scarlet flowers with lighter edge. Doz., **75c; 100, $5.25; 1,000, $47.50.**

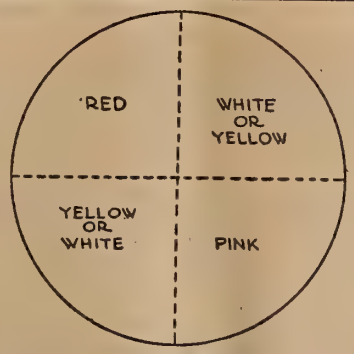
Jonkoping 8a. Beautiful orange red. Very early. Doz., **95c; 100, $7.00; 1,000, $65.00.**

Prince of Austria 8a. Orange-vermilion. Doz., **75c; 100, $5.50; 1,000, $50.00.**

Vermilion Brilliant 7b. Dazzling vermilion-scarlet, fine for pots. Doz., **85c; 100, $6.25; 1,000, $57.50.**

MIXTURES
Vaughan's Special

All the colors found among the early tulips are included in this mixture, the varieties included grow to approximately the same height, producing the correct effect in beds. Doz., **85c; 100, $6.00; 1,000, $55.00. Regular Holland Mixed,** Doz., **70c; 100, $5.00; 1,000, $45.00.**



SPECIAL OFFER
SINGLE TULIP BEDS—Early Flowering

We can furnish at a special price bulbs for circular beds in four colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in three years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart. **All Postpaid.**

For 3-ft. bed, planted 4 in. apart, 96 tulips, 24 each, red, white, yellow and pink, **$6.00.**

For 3-ft. bed, planted 6 in. apart, 36 tulips, 9 each, red, white, yellow and pink, **$2.25.**

For 4-ft. bed, planted 4 in. apart, 128 tulips, 32 each, red, white, yellow and pink, **$7.00.**

For 4-ft. bed, planted 6 in. apart, 60 tulips, 15 each, red, white, yellow and pink, **$4.00.**

TULIP KEIZERSKROON

Striped and Purple

Duc de Berlin 6a. Clear scarlet, edged yellow. Doz., **75c; 100, $5.50; 1,000, $52.50.**

★Keizerskroon 10b. This variety has been familiar from childhood. It is one of the oldest, as it is, assuredly, one of the best of early Dutch varieties. The huge flower is bright red, nearly scarlet, edged with yellow; it is self-confident, the margin is broad and clearly defined, the flower is seen and recognized from afar. It remains a distinctive flower, a great bedding tulip, and one quite good for forcing. It is a strong, healthy grower, and a bed of it will bring into the early spring garden some of the color and joy for which we have longed for so many months. Doz., **$1.00; 100, $7.50; 1,000, $70.00.**

Van Der Neer 7b. Large, brilliant violet purple. Excellent form and striking color. Doz., **85c; 100, $6.00; 1,000, $55.00.**

Pink and Rose

★Diadem 9a. A very beautiful, large flowered pearly pink tulip, with the interior slightly darker rose pink. This variety is outstanding because of its extreme earliness and tall, strong stem. Doz., **85c; 100, $6.00; 1,000, $55.00.**

Hobbema 8b. Old-rose, flushed buff; a very large, globular flower with rounded petals and carried on a strong stem. A tulip of remarkable coloring, and very beautiful when grown out-of-doors. Fine for late forcing; if forced early the color is not so clear. Doz., **85c; 100, $6.00; 1,000, $55.00.**

Ibis 7a. Deep rose, flushed white at the bottom of the petals and yellow base. Doz., **75c; 100, $5.50; 1,000, $50.00.**

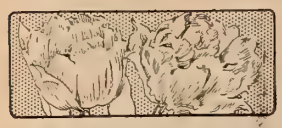
Pink Perfection 8a. One of the finest pink tulips that will give great satisfaction. Doz., **90c; 100, $6.50; 1,000, $62.50.**

★Pink Beauty 12b. Bright rose-pink shading to blush-white. Doz., **$1.00; 100, $7.50; 1,000, $70.00.**

Proserpine 8a. The best dark pink early tulip. All others fade into oblivion when Proserpine opens her dark glossy blooms. Truly a magnificent variety. Doz., **95c; 100, $7.00; 1,000, $65.00.**

Rose Gris de Lin 7b. Delicate rose, flushed white. Per doz., **75c; 100, $5.50; 1,000, $52.50.**

★Rose Luisante 7b. Brilliant deep pink. Per doz., **90c; 100, $6.50; 1,000, $60.00.**



Double Early Tulips

THERE is a distinct revival of the popularity of double tulips. Coming a little later than the singles, they last much longer, and where the single and double are planted together the season of flowering is prolonged from two to three weeks. The double tulips require a soil more fertile than the singles for perfection of blossoms; and where well grown their mammoth peony-like flowers of delicate or brilliant coloring are most effective either in groups in the border, or in formal beds. The double tulips do very well when grown in pots for winter blooming, but they must be forced more slowly than the single tulips.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

★Varieties starred thus are in our opinion of outstanding merit for garden planting.

Double Pink

Electra 8b. Magnificent, enormous flower; beautiful rose, feathered violet; a handsome novelty, unexcelled for exhibition purposes. Doz., **85c; 100, $6.00; 1,000, $55.00.**

★Peach Blossom 8a. Deep rosy pink, deepening with age to a deep rose. A very fine flower with a wonderful color. A new variety of superb quality. Doz., **85c; 100, $6.00; 1,000, $55.00.**

Queen of Pinks 7a. Beautiful rose pink. Doz., **75c; 100, $5.50; 1,000, $52.50.**

★Triumphator 9b. Magnificent bright pink, the best of the several sports of the popular "Murillo." It is an improvement upon the variety "Peach Blossom" which has long been recognized as one of the best double pink tulips. It is more double, the color is much softer, and the form much better than the last named. Doz., **85c; 100, $6.25; 1,000, $57.50.**

Double Red

Imperator Rubrorum 9a. Bright scarlet. Doz., **95c; 100, $7.00; 1,000, $65.00.**

★L'Aurora 8b. Orange red, large flower on strong stem. One of the loveliest double red tulips; when grown in pots the flower is large but compact. Doz., **85c; 100, $6.00; 1,000, $55.00.**

★Orange Nassau 10b. Bright orange-scarlet with a margin of orange. Outer petals shaded cherry-red. Doz., **95c; 100, $7.00; 1,000, $65.00.**

Rubra Maxima 8b. Dazzling scarlet. Doz., **85c; 100, $6.00; 1,000, $55.00.**

★Vuurbaak 9b. Bright scarlet, suffused orange. Doz., **$1.00; 100, $7.25; 1,000, $67.50.**

Double Striped

Mystery of India 8b. Terra Cotta with bronze and rose combination; large flowers on strong stem, for bedding only. Doz., **$1.00; 100, $7.25; 1,000, $67.50.**

★Toreador 8a. Reddish orange and yellow. Doz., **85c; 100, $6.00; 1,000, $55.00.**

Tournesol 8a. Red and yellow; very showy. Doz., **90c; 100, $6.50; 1,000, $60.00.**

DOUBLE YELLOW TULIP, MR. VAN DER HOEF

Double White

★Boule de Niege 10b. Pure white. Doz., **95c; 100, $7.00; 1,000, $65.00.**

Schoonoord (White Murillo) 12b. Pure white. Extra fine. Doz., **90c; 100, $6.50; 1,000, $62.50.**

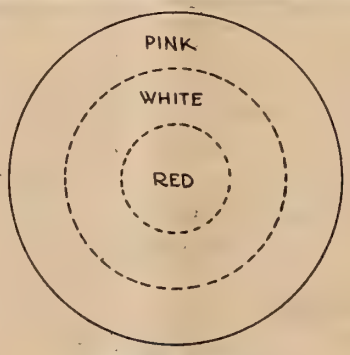
Double Yellow

Couronne d'Or (Crown of Gold) 10a. Beautiful rich, golden yellow. Doz., **85c; 100, $6.00; 1,000, $55.00.**

★Mr. Van der Hoef 12a. Yellow sport of Murillo with all its superb qualities. One of the very finest of the primrose-yellow double tulips. Doz., **85c; 100, $6.00; 1,000, $55.00.**

Mr. Van Tubergen 12a. Beautiful golden yellow, a sport from Couronne d'Or. Large, exceedingly strong, full double flowers. Doz., **90c; 100, $6.50; 1,000, $60.00.**

Tea Rose 12b. Yellow and apricot. Doz., **85c; 100, $6.00; 1,000, $55.00.**



SPECIAL OFFER

DOUBLE TULIP BEDS—Early Flowering

We can furnish at a special price, bulbs for circular beds in three colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in three years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart.

For 3-ft. bed, planted 4 in. apart, 96 tulips, 32 each, pink, white and red, **$5.75,** postpaid.
For 3-ft. bed, planted 6 in. apart, 36 tulips, 12 each, pink, white and red, **$2.50,** postpaid.
For 4-ft. bed, planted 4 in. apart, 126 tulips, 42 each, pink, white and red, **$7.50,** postpaid.
For 4-ft. bed, planted 6 in. apart, 60 tulips, 20 each, pink, white and red, **$3.75,** postpaid.

Splendid Late Double Tulip

★Bleu Celeste (Blue Flag) 10b. Blooming in May with the Cottage tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony), a delightful shade of pale bluish purple and are borne on long stems, making them splendid decorative flowers. Doz., **90c; 100, $6.50; 1,000, $60.00.**

Coxa 20b. Carmine-red. Vermilion edged very small white border. Large flower. Very fine for border planting. Doz., **$1.15; 100, $8.50; 1,000, $80.00.**

Epicure 10b. Salmon rose shading to old gold near edges of petals. Very large flower and sturdy grower. Doz., **$1.10; 100, $8.00; 1,000, $75.00.**

MIXTURES

Vaughan's Special

Made from the best named varieties that will bloom about the same time, and of about the same height. It contains an excellent variety of blended colors. Doz., **85c; 100, $6.00; 1,000, $55.00. Regular Holland Mixed,** Doz., **70c; 100, $5.00; 1,000, $45.00.**

Hole in One Planting Tools for Bulbs

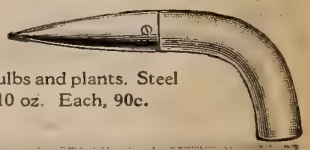
Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, **60c;** postpaid, **70c.** Large tool, **$4.00.**

Vaughan's Bulb Planter

A New, Handy Bulb Planter

For planting all kinds of bulbs, especially gladioli, tulips and hyacinths, etc. Similar to English type planter, but more durable. Each, **$2.75.**

Dibber



For planting bulbs and plants. Steel point. Weight, 10 oz. Each, **90c.**

Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, **75c** a pair postpaid.

Daffodils or Narcissi

NARCISSI NATURALIZED IN THE WOODLAND

DAFFODILS are the first of the major garden flowers to blossom in the spring. This makes them doubly precious, as heralds of a season of joy, after the long winter.

Great advancement has been made in breeding new varieties, many of which we offer this year.

Culture of the Daffodil

The daffodil tribe likes a cool root run and its flowers are at their best in the cooler days of spring. Therefore it is essential to dig the soil deeply and provide humus. Like the tulip, the daffodil will not thrive if there is fresh manure in the soil and bone meal alone should be used as a fertilizer when the bulb is planted. It likes a moist soil but it must have excellent drainage. The bone meal should be mixed in the soil below the bulb and if the soil is heavy, a cushion of sand is advisable.

Where to Plant Them

Daffodils are particularly fine subjects to plant under the edge of bushes or among perennials in the hardy border as they seem to like to nestle among the roots of their neighbors. A clump of golden trumpets peeping from beneath the overhanging branches of Spiraea Van Houttei or nestling in a sheltered angle of a building are one of the gladsome sights of early spring.

A few bulbs can be tucked into odd corners all about the garden and they will repay mightily when the first sunny days of spring bring their sturdy shoots breaking through the earth.

Daffodils and narcissus need not be moved for several years if they are flourishing, in fact not until the clump becomes so large that it is evident it needs to be divided and they should be replanted at once.

Types of Daffodils Defined

The Royal Horticultural Society of England divides the narcissus family into eleven sections and these with subdivisions to make it possible to classify the hundreds of new varieties appearing each year. As now accepted the important garden classes are as follows:

1, Trumpet, with trumpet as long as perianth segment: 2, Incomparabilis, cup not less than one-third but less than equal to perianth segment; 3, Barri, cup less than one-third perianth segment; 4, Leedsii, perianth white and cup white, cream or citron, of sizes found in Barri and Incomparabilis; 8, Tazetta and Tazetta hybrids, including bunch-flowered and poetaz types: 9, Poeticus varieties.

12 Daffodils for Naturalizing, 85c

12 Bulbs, 85c; 100 Bulbs $5.50; 1,000 Bulbs, $50.00, Prepaid.

DAFFODILS are the first major flowers to bloom in the spring. By nature they are informal flowers, and look best when grown in drifts, in the shrubbery or under trees. They like to nestle among the roots of shrubs, and as they bloom before the leaves develop, they thrive in places which later in the season are well shaded. Our naturalizing mixture is an exceptional value, containing many of the best named Trumpet, Leedsii, Star and Poeticus varieties. Plant them and do not disturb until they crowd; the bulbs may then be lifted and replanted over a much larger area. A purchase of bulbs is an investment which will pay in bloom for a lifetime.

Write for Special Prices on 10,000 Bulbs or More.

Trumpet

★Aerolite A golden giant with flowers beautifully proportioned, perianth deep primrose, with a pure medium yellow trumpet left in bold relief by outer petals, an inch and a half wide; medium early, but one of the longest lasting of all daffodils either in the gaden or after being cut. Each, **20c**; doz., **$1.70**; 100, **$11.00.**

★Emperor A magnificent sort. The entire flower is a rich yellow trumpet of immense size and petals so broad that they overlap. Each, **15c**; doz., **$1.10**; 100, **$7.50.**

★King Alfred **"The King of Yellow Daffodils."** Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Double Nose Bulbs. Each, **25c**; doz., **$2.30**; 100, **$14.00.** First size Bulbs, Each, **15c**; doz., **$1.50**; 100, **$10.00.**

Lovenest The trumpet of saffron yellow turning apricot pink, giving a distinct pink tone to the flower, making a beautiful color blend entirely new to the daffodil race. This variety is one of the daintiest of all trumpets, medium in height. Very early. Each, **$1.00**; doz., **$10.00.**

★Mrs. E. H. Krelage Broad, white perianth; long, creamy white trumpet. A beautiful white Daffodil. Each., **25c**; doz., **$2.45**; 100, **$16.00.**

Mrs. R. O. Backhouse This is the famous "pink daffodil"; fine informal perianth of ivory white, and beautifully proportioned, slim long trumpet of apricot pink, changing to shell pink at the deeply fringed edge; delicately beautiful but of exceptional substance; long lasting; early. Full sun bleaches out color. Each, **$2.00**; Doz., **$20.00.**

AEROLITE (Trumpet)

BERNARDINO (Incomparabilis)

Olympia A giant flower rivaling Van Waverens giant in size; sulphur-yellow perianth, handsome yellow frilled trumpet. Each, **20c**; doz., **$1.70**; 100, **$11.00.**

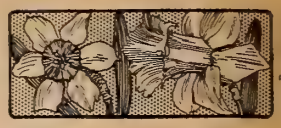
★Spring Glory A very early showy bicolor daffodil with large white perianth, broad and spreading, trumpet large and handsome, bright yellow with open frilled mouth. Each, **15c**; doz., **$1.20**; 100, **$8.00.** **(Illustrated on Cover B.)**

Tresserve A flower very large with slightly campanulate canary-yellow perianth and a very bold rich yellow trumpet with wide expanded brim deeply flanged and measuring 2¼ inches across. Height, 17 in.; a fine exhibition variety. Each, **15c**; doz., **$1.45**; 100, **$9.50.** **(Illustrated on Cover B.)**

★Van Waveren's Giant A giant trumpet daffodil; flowers of immense size, perianth primrose and of rather campanulate form, trumpet bright yellow with very large open mouth, flanged at brim. Ht., 18 in. Fine for bedding or for making bold clumps in the flower border. Each, **25c**; doz., **$2.30**; 100, **$14.00.**

Warwick Another of the striking King Alfred seedlings outstanding in every way and very early; refined stem and neck bearing a star-shaped perianth of great substance; golden yellow, with trumpet a shade deeper in color. Each, **30c**; doz., **$2.75**; 100, **$18.00.**

Daffodils or Narcissi



DIANA KASNER (Barrii)

Barrii

Thanks to the brilliant contrast effects due to color in the cup, the Barrii type is contributing many improved varieties to the daffodil list and it is here that further progress may be expected. The flowers have a character and grace which make them charming either for cutting or garden display.

Alcida Giant flower, pure white perianth opening flat, star-shaped, with individual petals over 1½-inch wide; broad citron-yellow cup with blood-orange frill; strong grower, fine substance and wonderfully free-flowering; very late. Each, **25c**; doz., **$2.50**; 100, **$16.00.**

★Brilliancy A conspicuous seedling, 4 inches across, informal star-shaped perianth of pale primrose, with deep, broad, yellow cup, picoteed red-orange at the very edge. Each, **25c**; doz., **$2.30**; 100, **$14.00.**

Conspicuus A flower of exquisite beauty, unexcelled for cutting; large, broad-spreading perianth; broad, short cup, conspicuously edged bright orange-scarlet. Lasts long in water. Each, **10c**; doz., **95c**; 100, **$6.00.**

★Diana Kasner A pure white perianth and a large fluted yellow cup with blood-red frill, very free-flowering and an excellent forcer. We consider this variety as one of the most valuable introductions and cannot recommend it too highly for show purposes. Each, **20c**; doz., **$1.65**; 100, **$10.50.**

Early Surprise A little beauty; semi-dwarf habit of growth; pure white perianth with orange colored cup, fine for naturalizing and the earliest for forcing of this type. Each, **10c**; doz., **$1.00**; 100, **$7.00.** **(Illustrated on Cover B.)**

★Firetail Deservedly popular the world over; broad petalled creamy-white perianth and large orange cup with scarlet-orange frill. Each, **30c**; doz., **$2.90**; 100, **$20.00.**

★Lady Moore Pure white perianth; yellow cup with orange frill; substantial flower remaining in good condition even where many other varieties "burn"; late, but an excellent forcer. Each, **15c**; doz., **$1.50**; 100, **$10.00.**

★Niobe Perfectly formed, flat-opening broad petaled perianth of creamy white; flat eye, edged intense red-orange; the unopened bud droops prettily, making a contrast with the opened flowers. Each, **30c**; doz., **$2.55**; 100, **$17.00.**

Red Beacon A lovely flower which immediately attracts one by its brilliantly colored cup; the perianth is ivory-white, broad and of great substance, slightly shaded sulphur at base, cup prettily fluted and of the most intense fiery orange-red, shading down to golden-orange; ht., 15 in. Each, **20c**; doz., **$2.00**; 100, **$13.00.**

Seagull Large broad petaled perianth, slightly reflexed pure white, giving an effect suggestive of the name as the flowers seem to float above the foliage; cup light yellow, with red picotee edge; free-flowering; extremely tall; late, fine for naturalizing. Each, **10c**; doz., **90c**; 100, **$6.00.**

Incomparabilis

This class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

★Bernardino Perianth creamy white, cup yellow edged orange, very free-flowering, good grower, recommended. Each, **15c**; doz., **$1.20**; 100, **$8.00.** **(Illustrated on Cover B.)**

★Croesus Universally popular both for the garden and for exhibition; light canary-yellow perianth of perfect form, with outer petals nearly touching, the inner ones over-lapping, opening flat; broad fluted cup of rich orange to base; substantial, free-flowering, and a fine propagator; desirable in every way. Each, **20c**; doz., **$1.75**; 100, **$11.25.**

★Sir Watkin A well-known daffodil, excellent for large plantings or growing in pots. Full perianth of pure yellow with large, rich, golden trumpet. Large size. Each, **15c**; doz., **$1.20**; 100, **$8.00.**

Will Scarlet Medium-sized flower of informal habit; reflexed perianth, petals often slightly curled; good cup of yellow ochre with flaming orange-scarlet edge; fine for the rock garden or for naturalizing near a small pool. Each, **15c**; doz., **$1.40**; 100, **$9.00.**

SILVER STAR (Leedsii)

Leedsii

Have white perianths with white or sulphur trumpets. Most beautiful class for cutting.

★Evangeline A tall dancing daffodil with reflexed, star-shaped, white perianth and lemon yellow cup; fine for naturalizing. Each, **10c**; doz., **$1.00**; 100, **$7.00.** **(Illustrated on Cover B.)**

Hera Broad-petalled creamy white perianth, star-shaped and deeply frilled cup of creamy white with a dainty edging of light primrose; one of the most chastely beautiful of all daffodils. Each, **15c**; doz., **$1.50**; 100, **$10.00.**

Lord Kitchener Broad, flat, pure white perianth, very pale primrose crown. A very good variety. Each, **15c**; doz., **$1.40**; 100, **$9.00.**

Queen of The North Strong flower with broad white perianth, lemon cup prettily fluted. Each, **10c**; doz., **$1.00**; 100, **$7.00.**

★Silver Star Perfect broad-petalled star-shaped perianth of pure cream-white, with finely proportioned, wide mouthed trumpet of primrose, changing to cream white, just a shade deeper than the perianth; extra fine, and very free-flowering. Each, **25c**; doz., **$2.30**; 100, **$14.00.**

ALBA PLENA ADORATA (Double)

True Jonquils

Jonquils are graceful, sweet-scented flowers which thrive well in a moist, shady position in borders Flowers are arranged on the stem in a cluster.

Jonquilla Simplex The true single sweet jonquil, of light elegant growth, bearing out of doors in May clusters of numerous small rich yellow flowers of delicious scent. Each, **10c**; doz., **$1.00**; 100, **$7.00.**

Jonquilla Flore-Pleno The old double sweet jonquil, produces in May little heads of rich yellow double flowers, very fragrant and attractive for cutting. Each **15c**; doz., **$1.40**; 100, **$9.00.**

Double Varieties

Alba Plena Odorata The well-known double white, scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late-flowering, and will not force. Best suited for beds or naturalizing. Each, **10c**; doz., **$1.00**; 100, **$7.00.**

★Argent Nicely built flower of white and canary yellow; attractively formed, resembling a carnation, a cross between Von Sion and Poeticus Ornatus. Each, **15c**; doz., **$1.25**; 100, **$8.50.**

Dubloon Longer petals of primrose, interspersed with shorter petals of canary yellow, giving a golden glow to the entire flower. Each, **15c**; doz., **$1.20**; 100, **$8.00.**

★Indian Chief Very large and very double, bright yellow interspersed with orange; the petals curled and twisted. Each, **20c**; doz., **$2.00**; 100, **$13.00.**

The Pearl Creamy white, interspersed with sulphur yellow, deeper at center; charming. Each, **15c**; doz., **$1.20**; 100, **$8.00.**

★Twink It is double, of the semi-full type, the petals alternating a soft primrose and clear orange, and so arranged as to give the flower a most attractive appearance, and making it a most adaptable flower for large scale decorative work; is very free-flowering and hardy and we sincerely believe that this variety will be used by every commercial grower. It is a splendid show flower. Each, **25c**; doz., **$2.50**; 100, **$18.00.** **(Illustrated on Cover B.)**

Von Sion Pure golden yellow, full double. Good forcing variety. Each, **15c**; doz., **$1.20**; 100, **$8.00.**

Poetaz

Crossing of Poeticus and Polyanthus varieties produced this perfectly hardy strain of bunch-flowering Narcissus. Do well planted in pots for winter flowers.

Cheerfulness The double Elvira, a very pleasing double white Poetaz, good stems, a fine garden and show flower. Each, **20c**; doz., **$1.65**; 100, **$11.00.**

★Laurens Koster Perianth white, cup light orange-yellow. Each, **10c**; doz., **$1.00**; 100, **$7.00.**

★Orange Cup Yellow perianth, cup orange red nicely frilled. Each, **15c**; doz., **$1.45**; 100, **$9.50.**

POETICUS

DAFFODILS—Continued

Poeticus

The pure white perianth and all-red or picoteed cup, and delicious perfume, peculiar to itself, makes this one of the most popular of all Narcissi.

Homer Large star-shaped perianth, gleaming white, with flat eye, yellow edged red; tall, graceful, and free-flowering; one of the best; very late. Each, **15c**; doz., **$1.15**; 100, **$7.50.**

Horace Large star shaped perianth, gleaming white broad petals with flat eye, yellow edged red. Each, **15c**; doz., **$1.15**; 100, **$7.50.**

★Ornatus Maximus A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier. Each, **15c**; doz., **1.15**; 100, **$7.50.**

Poeticus (Common Pheasant's Eye) The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Each, **10c**, doz. **85c**; 100, **$6.00.**

(Illustrated on Cover B.)

Miniature Daffodils

The following are charming little subjects for rock work, where their dainty flowers are seen to perfection. They should be left undisturbed for years, and if happy will soon establish themselves and afford a lovely picture in early spring. All the Bulbocodium like moisture, and should therefore be planted at the foot of the rockery. When coming into bloom give water freely. Triandrus albus (Angel's Tears) delight in partial shade, gritty soil, and well-drained position.

Bulbocodium Conspicuus Yellow Hoop Petticoat, flowers rich golden-yellow and rush-like foliage, height 6 inches. Each, **15c**; doz., **$1.45**; 100, **$9.50.**

Pearly Queen Triandrus hybrid, 2 or 3 flowers to a stem; star-shaped cream-white perianth, with clear lemon-yellow short trumpet; distinct pearly sheen provides the name; drooping habit; free flowering and a strong grower. Each, **20c**; doz., **$1.80**; 100, **$18.00.**

Triandrus Agnes Harvey A beautiful chalice-cupped hybrid, perianth snow-white, cup pure white sometimes flushed a soft apricot, one to three blooms on a stem, slightly drooping, height 13 inches. Each, **30c**; doz., **$3.00**; 100, **$21.00.**

Triandrus Albus An exquisitely beautiful little species, produces a cluster of elegant creamy white little flowers with globular cup and perianth reflexing, height 7 inches. Each, **20c**; doz., **$1.75**; 100, **$12.00.**

Cyclamineus Hybrids

Cyclamineus blood like that of Triandrus, imparts a distinct form to its hybrids, which have perianths reflexed as in a cyclamen.

February Gold Perianth golden yellow, trumpet fringed orange; very early. Each, **35c**; doz., **$3.50**; 100, **$25.00.**

Hardy Bulbous Iris for the Garden

ADMIRERS of the iris will find this group to be valuable additions to their collections. Flowering in late June and early July, they follow the bearded and Siberian irises, prolonging the display and producing flowers of a distinct type and quality of coloring. The colors are clear and brilliant, and the petals are delicate, but of excellent substance. They make quality cut flowers, lasting fully a week in water.

The Dutch iris have displaced the Spanish iris, from which they were developed. Both they and the English iris are successfully grown in localities which have sub-zero temperatures in the winter. In the cold winter states they should have the protection of a heavy mulch, applied after the ground has frozen and should be planted in a location where spring growth is not unduly stimulated, so they will not get a premature start, and suffer injury from belated frosts.

Bulbs should be dug each year after foliage has turned brown. They should be cured quickly in a dry location, and only the largest bulbs should be replanted for flowering. The smaller bulbs can be grown in a nursery row until they reach flowering size. The increase is rapid and bulbs which are not lifted will crowd and stop flowering.

DUTCH IRIS

ENGLISH IRIS

These magnificent bulbous Irises thrive in any ordinary garden soil but prefer a good loam. The earlier the planting, after beginning of September, the greater the success; the bulbs should be planted 4 inches deep. The varieties we have especially selected as being the very finest and most distinct in cultivation, and they will be found as strikingly beautiful in color as many of the sumptuous orchids. They flower from end of June to beginning of July thus succeeding the Bearded Flag Irises, Early Xiphium and Spanish Irises. As cut flowers they take a first place.

KING OF THE BLUES. Dark blue.

LAMARTINE. White, carmine rosy flakes.

LUCINDA. Porcelain blue, blue flakes.

PRINCE ALBERT. Delicate silvery blue.

PRINCESS IRENE. Very large snow white.

PROCERPINE. Deep ruby, dark flakes.

QUEEN OF THE BLUES. Light blue.

THE GIANT. Rich deep blue.
Each, **15c**; doz., **$1.30**; 100, **$9.00.**

Mixed Colors: Each, **10c**; doz., **$1.00**; 100, **$7.00.**

IRIS TINGITANA WEDGEWOOD

For indoor use and protected plantings only. A seedling of the old favorite Tingitana that is just as early, but a much more reliable bloomer. The small cultivator will do better to plant his bulbs, six or eight according to size, in a seven- or eight-inch pot, rather than in ordinary shallow boxes. Not only are bulbous irises deep rooting but they are very sensitive to root injury. If after boxing, they are stood on the ground or on ash-covered beds and root through at the bottom, it is hundred to one that half of them will come blind if the boxes are disturbed. In deep pots the roots are less likely to root through at the bottom, and treated rightly in other ways, they will flower 100 per cent. They must be kept cool, 45 degrees or so, until the buds are out of the neck. A great cut flower. Light blue in color. 10 ctms. up. Doz., **$1.75**; 100, **$12.00.** 1000, **$110.00.**

DUTCH IRIS

They resemble the Spanish Iris, but their habit of growth is more vigorous, the flowers larger, with conspicuous orange blotches on the wide falls. Buds open at least two weeks before the Spanish Iris, and immediately after the last of the May flowering tulips are gone. Through untiring years of hybridization, they not only surpass the Spanish Iris in size and sturdiness of growth, but also in brilliancy of color.

ADRIAN BACKER. A beautiful, large flowering novelty of uniform lilac purple.

A. BLOEMAARD. Standards dark purplish blue, falls lighter blue, very large flower, early.

CELESTIAL. Late Blue.

D. HARING. Flower large, standards white, tinged lavender. Falls creamy white, with conspicuous golden blotch. Very beautiful. Height, 30 inches. Received Award of Merit, Royal Horticultural Society, 1923.

EARLY SNOW. Tall early white.

FILIFOLIA IMPERATOR. One of the most popular florist's varieties. The flowers are large, dark blue, brilliant orange blotch. Very showy, strong grower, highly recommended. Mulch well the first year. Height 27 inches.

J. W. DE WILDE. Rich golden yellow; handsome. Height, 26 inches.

LEONARDO DA VINCI. Lemon yellow standards, yellow falls with rich golden blotch. Beautiful. Height, 25 inches.

POGGENBEECK. Brilliant dark blue.

WHITE EXCELSIOR. Large beautiful flowers of pure white.

YELLOW QUEEN. Uniform pure yellow. Excellent variety.

Any of the above varieties: Doz., **65c**; 100, **$4.50**; 1,000, **$40.00.**

Mixed. Doz., **60c**; 100, **$4.00**; 1,000, **$35.00.**

IRIS RETICULATA

Fragrant Iris—Hardy with Protection

RETICULATA. This lovely species is one of the treasures of the garden or rock garden. It can best be described as a small form of the Spanish or Dutch Iris. Its main value lies in the fact that it may be forced into bloom in the house with the greatest ease. Six or eight bulbs put into a 4 or 5-inch pot when received will bloom about Christmas time. The fragrant blossoms remind one of a bunch of fresh violets. Perfectly hardy with reasonable protection. It is one of the loveliest early flowering bulbs for the rockery. To show it off well, plant a number of bulbs under the white Arabis Alpina; you'll enjoy the results more than we can tell you. Each, **20c**; doz., **$1.60**; 100, **$11.00.**

Miscellaneous Bulbs

The very first flowers of spring are the minor bulbs, snowdrops, scillas, chionodoxas, crocuses, which come before narcissi. On these pages will be found many other interesting garden treasures, including those fine subjects for rock gardens, erythroniums, brodiaeas and camassias.

ANEMONE (Windflower)

They succeed best in light, rich, well-drained loam. Plant in early October, or as soon as the ground can be worked in the spring. If planted in the autumn they should be covered with leaves, straw or long manure on the approach of winter. Plant very shallow.

His Excellency. Large, bright red, semi-double, showing a black center and suggesting a red poppy. Doz., **75c**; 100, **$5.00**; 1000, **$45.00.**

Blue Poppy. Large single poppy-like flowers in varying shades of blue. Doz., **75c**; 100, **$5.00**; 1000, **$45.00.**

De Caen. A real selected strain. This mixture contains many fine shades of blue, white and reds.

Mixed. Doz., **65c**; 100, **$4.50**; 1,000, **$40.00.**

St. Brigid. A grand strain of Poppy Anemones whose flowers range in color from the deepest crimson to the purest white, embracing such delicate shades as cobalt, scarlet, rose, salmon-pink, and heliotrope. Most are semi-double. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

BRODIAEAS

Coccinea. The Floral Firecracker, has stems rising to 2 feet, while the flowers are a vivid crimson tipped with pea-green. The resemblance to a bunch of firecrackers catches the eye at once. A group of these bulbs in a mass of ferns or light-foliaged plants is striking, and they do very well potted. They prefer a loose soil, and preferably gritty. Each, **15c**; doz., **$1.50**; 100, **$10.00.**

Capitata. There are several species of Brodiaea called California Hyacinths, and a good one is Capitata. The stem is slender, capped with a head of violet-blue flowers. They revel in hot, dry places among rocks or in grit, and flower very early. Doz., **65c**; 100, **$4.50**; 1,000, **$40.00.**

Ixioides Splendens is popularly known as **Golden Star.** See color plate. Very handsome, often with very many flowers. The finest yellow Brodiaea. Doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

CALOCHORTUS

True Mariposa, or Butterfly Tulips

Cup-shaped flowers, one to many on a stem, marked with eyes and dots and pencilings in rich colors, yet each strain carrying out the plan on its own color scheme. "Mariposa" is the Spanish word for butterfly.

El Dorado. The plants of this strain grow from 1 to 2 feet high and branch. The flowers are marvelous in variety. Scarcely two are alike; they may vary through white, lilac to purple and again through shades of pink to deep claret-red. They thrive best in porous soil, sandy or gritty, either in sun or light shade. Flowers are 2 to 4 inches in diameter.

Venustus Citrinus. A most satisfactory hardy species with deep rich yellow flowers with a black eye. Most excellent.

The above mixed: Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Vaughan's Seed Store, Chicago, Ill.

The lily bulbs came this morning and are very fine. Must tell you that my experience with your organization is that you furnish the very best merchandise that money can buy at prices that just ordinary goods would cost elsewhere. Thank you for your attention to the above matter of tax.

H. T. Ferrell, 803 S. Church St., Princeton, Illinois.

SPRING FLOWERING CROCUS

SPRING-FLOWERING CROCUS

One of the earliest flowers to open in Spring, the Crocus, makes an effective show when planted in masses or arranged in groups in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. The large-flowering named varieties are ornamental when flowered in pots, six or eight bulbs in 5-inch size. Will not flower in too much heat. Plant 1 inch deep.

Baron Von Bruno. Deep purple.
General Gordon. Purple.
Julia Culp. Late flowering large purple.
Kathleen Parlow. Pure white, extra large.
King of Whites. Large flowered, extra fine.
Maximillian. Splendid sky blue.
Mont Blanc. Pure white.
Pallas. White, striped light lilac, one of the best.
Purpurea Grandiflora. Dark purple.
Striped Beauty, White, striped lavender.
Sir Walter Scott. White and purple.
Select Yellow. Golden yellow.

Any of the above: Doz., **40c**; 100, **$2.50**; 1,000, **22.50.**

Mammoth Yellow. Largest flowered Golden Yellow. Doz., **50c**; 100, **$3.25**; 1,000, **$28.00.**
Mixed Blue and Purple Varieties.
Mixed Striped Varieties.
Mixed White Varieties. Large Yellow. Doz., **30c**; 100, **$1.75**; 1,000, **$15.00.**
CROCUS—Vaughan's Special Mixture Giant-Flowered. Doz., **35c**; 100, **$2.25**; 1,000, **$20.00.**
CROCUS—Regular Holland Mixed. Doz., **25c**; 100, **$1.50**; 1,000, **$12.00.**

CHIONODOXA (Glory of the Snow)

One of our loveliest Spring flowers, when established its sheets of blue in very early Spring are a great attraction in borders, dotted over bulb beds, or massed on rock-work.

Lucillae. Bright blue with large clear white center. Doz., **35c**; 100, **$2.50**; 1,000, **$20.00.**

Sardensis. Intense deep blue. Doz., **35c**; 100 **$2.50**; 1,000, **$20.00.**

CAMASSIA

Camassias are attractive garden plants with which the average amateur is not familiar, but which can be grown readily enough in any garden, and which may be associated particularly well with tulips. The bulbs should be planted at this season. They should go four inches underground, and be spaced about five inches apart. A little clump of camassias blooming in May will add much to the beauty of the garden, and will certainly prove a novelty. The flowers are starlike in appearance, and borne on long spikes, the colors being lavender, purple or white. The purple species, called Camassia Esculenta, is particularly good.

Leichtlini. A California species, comes in deep blue and white. Either color, each, **15c**; doz., **$1.20**; 100, **$8.00.**

Esculenta. Light blue flowers borne gracefully erect. The hyacinth-like blooms are pure in color, and will thrive almost anywhere. Height, 18 inches to 2 feet. Each, **10c**; doz., **60c**; 100, **$4.00**; 1,000, **$35.00.**

DOG TOOTH VIOLETS

(Erythroniums)

If they had no other beauty than that of their richly mottled leaves, they would be well worth a place in the shady corner. Their flowers are 3 inches across, with stems 6 to 18 inches high. The colors run in delicate tints of white, pink, cream, bright yellow and rose. They are hardy in the coldest parts of the United States, and while they are at their best in a loose, gritty soil, rich in leaf mold, they also thrive in the greatest variety of clays, grits and rocky soils. In woodlands, in shaded corners, or in the crevices of rockwork in shade, is the place to naturalize them.

Americanum. It produces in April, small, lily-like flowers, which vary through white, pink, bright yellow, rose, and cream. The beauty of the flowers is greatly enhanced by the richly mottled leaves. They like a light, rather moist, well-drained soil. The bulbs should be planted about 5 inches deep. Doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

Californicum has large cream-colored flowers. Leaves richly mottled. Easy to grow, and a large colony is a beautiful sight. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Citrinum is rather more erect in habit, with flowers almost pure white with strongly contrasting deep citron on lower third. One of the loveliest of all. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Grandiflorum Robustum is a superb species with flowers of the brightest buttercup yellow. The leaves have no mottling—just plain green. It always attracts attention. Doz., **90c**; 100, **$6.50**; 1,000, **$62.50.**

Hartweggii is as pretty as Californicum, with more yellow in the flower, and each flower on a separate stalk. Very early and stands much heat. Good for pots. Large bulbs. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Hendersonii. Like Californicum, but the flowers are a lovely light purple, with centers a deep maroon, almost black. Most striking. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Mixed, All Sorts. Doz., **75c**; 100, **$5.00**; 1,000 **$45.00.**

Miscellaneous Bulbs

ERYTHRONIUM HENDERSONII

ERANTHIS HYEMALIS (Winter Aconite)

Early in Spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green cushion of leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. Height 8 inches.

Doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

FRITILLARIA

RECURVA (Mission Bells). A beautiful woodland plant from Southern California. 1½ to 2 feet, and producing dainty orange scarlet flowers. They prefer partial shade and a loose soil.

Each, **20c**; doz., **$1.75**; 100, **$12.00.**

MELEAGRIS. Singular dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors: yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable and exceedingly pretty when grown in large groups in the garden border or wild dry situation.

Doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

IMPERIALIS (The Crown Imperial) is a stately hardy border-plant, very effective in Spring when grouped in woodlands wild gardens, orchards. Bell-shaped flowers, orange, red and checkered. Plant 12 inches deep, in well drained location.

Each, **35c**; doz., **$3.50**; 100, **$25.00.**

GRAPE HYACINTHS (Muscari)

Muscaris, or Grape Hyacinths, are a race of spring-flowering bulbous plants which have long been grown in British gardens. They are not showy when only a few are seen together, but a drift of them presents a picture of considerable beauty, especially if growing in grass, for which purpose they are well adapted. The species also look charming in clumps in the rock garden or border, and the Feather Hyacinth (M. plumosum), in particular, may be employed, with great gain, in pots in the cold greenhouse. In fact, pot culture gives this Grape Hyacinth such delicate and uncommon coloring, that it might well be grown anywhere under glass. All are very accommodating in their requirements, but prefer a good loam with a little old manure dug into it, and, in the case of the Feather Hyacinth alluded to, a rather warmer position The bulbs should be planted during autumn at a depth of about three inches and about two inches apart.

Blue. Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Doz., **30c**; 100, **$2.00**; 1,000, **$18.00.**

Pure White. This is a beautiful companion to the above, and they make a striking show when planted together. Doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

Heavenly Blue. The best blue. Doz., **35c**; 100, **$2.50**; 1,000, **$20.00.**

PLUMOSUM. Bearing in May handsome feathery plumes of violet colored flowers, very attractive. Doz., **60c**; 100, **$4.00**; 1,000, **$35.00.**

IXIAS

The Ixia colors are rich, the center always differing in color from the petals. Very desirable for pots. If planted outside be sure to cover with straw or leaves

Named Varieties. Doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

Mixed. Doz., **35c**; 100, **$2.50**; 1,000, **$20.00.**

RANUNCULUS (Buttercup)

Plant in November for early spring bloom in frames Set 3 or 4 inches apart, pressing firmly into the soil, claws downward, and cover them with sand, then with soil; keep the crown of the tubers four inches under the surface. Water them well.

Golden Glory. Bright yellow. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Bonnie Lassie. Pinks. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Sunset. Orange, terra cotta. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Huntsman. Bright red. Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

French Mixed. Doz., **60c**, 100, **$4.00**; 1,000, **$35.00.**

Victoria Hybrid Mixed. Far superior of any Ranunculus that we know. Flowers are double and large. Doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

RESURRECTION LILY

(Amaryllis Hallii) (Lycoris Squamigera)
For Outdoor Planting

Produces in early spring attractive green foliage which grows until May when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue.

Culture—As the bulb is perfectly hardy without any protection it can be planted either in the fall or spring, but we consider fall best. Cover the crown about four inches. Each, **$1.00**; doz., **$10.00.**

SPRING SNOWFLAKES

SPRING SNOWFLAKE (Leucojum Vernum)

A favorite little early spring flower having drooping, bell-shaped flowers, white, with small brown tips. Once planted in a favorable environment, they come up every spring, bearing more flowers each time. Excellent for rock gardens and naturalizing.

Doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Collections of Early Bulbs

Flowering Before the Narcissi

$1. 12 Snowdrops, 6 Scillas, 6 Chionodoxas, 6 Crocuses, and 6 Muscari; prepaid.

$2. 24 Snowdrops, 12 Scillas, 12 Chionodoxas, 12 Muscari, 12 Crocuses; prepaid.

$5. 50 Snowdrops, 25 Scillas, 50 Chionodoxas, 50 Crocuses, 18 Spring Snowflakes; prepaid.

SNOWDROP BYZANTINUS

SNOWDROPS (Galanthus)

Snowdrops flower while Tulips are just sprouting, and when the flowers are over, there remains a groundwork of green foliage.

Single. (Largest Bulbs.) Doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

Double. (Largest Bulbs.) Doz., **65c**; 100, **$4.50**; 1,000, **$40.00.**

Byzantinus. The finest Giant Single Snowdrop blooming very early, and producing large, handsome, globular flowers. A very free bloomer, very valuable for indoor culture, for it will flower in January. Doz., **85c**; 100, **$6.00**; 1,000, **$55.00.**

SPIRAEA (Astilbe) Ready November

Beautiful, hardy garden subjects, attractive, not only for their gayly colored, feathery plumes, but also for their glaucous foliage. June and July flowering.

White Varieties. Each, **60c**; doz., **$6.00**; 100, **$45.00.**

Pink Varieties. Each **60c**; doz., **$6.00**; 100, **$45.00.**

SCILLAS (Squills)

As edgings and masses in beds and borders, Scillas are most valuable. They succeed in shady flower borders and bare shady places and odd corners.

SCILLA SPRING BEAUTY. Spring Beauty is a giant by comparison with the ordinary Siberica, very free blooming and ideal for growing in pans or pots. Brought into a 50 to 55 deg. house after being well rooted, it flowers within two weeks, the glorious blue spikes having stems 6 to 8 in. long. Each, **15c**; doz., **$1.15**; 100, **$8.00.**

SIBERICA (The Blue Squill). Bright blue, nothing more beautiful for edgings or pots in early Spring, flowering with the Snowdrop. Height, 4 inches.

Mammoth Bulbs. Doz., **50c**; 100, **$3.50**; 1,000, **$30.00.**

Siberica Alba. A white sport of Siberica Blue. Identical in form and easy blooming qualities. Doz., **50c**; 100, **$3.50**; 1,000, **$30.00.**

CAMPANULATA (Clear Blue). Very erect in habit (15 inches). Doz., **45c**; 100, **$3.00**; 1,000, **$25.00.**

Alba. Pure white (12 in.). Doz., **45c**; 100, **$3.00**; 1,000, **$25.00.**

Rosea. Fine rose (15 in.). Doz., **45c**; 100, **$3.00**; 1,000, **$25.00.**

NUTANS Blue. The true English blue-bell. In its native habitat it abounds in woodlands literally carpeting the ground. Gracefully arching stem carrying many violet blue flowers, opening after most other Scillas are gone. Very hardy. Doz., **50c**; 100, **$3.50**; 1,000, **$30.00.**

NUTANS Alba. Pure white companion to the above, with long arching stem. Beautiful when naturalized in copses, shady walks, etc. Also prized for cutting. Doz., **50c**; 100, **$3.50**; 1,000, **$30.00.**

SCILLA PERUVIANA Clusi. The Cuban Lily, flowers deep blue in large spreading umbels. Blooms early summer on stems about 12 inches high. Each, **20c**; doz., **$2.00**; 100, **$15.00.**

SPARAXIS, Mixed

Graceful spikes 6 to 8 inches high; flowers of the brightest colors, tigered, streaked and flushed—a riot of color. Excellent for indoor winter flowering—about 12 bulbs to a 6-inch pot. Do not plant outdoors in cold sections. In cool localities, give winter protection. For southern gardens, especially in rockeries, Sparaxis are indispensable.

Doz., **65c**; 100, **$4.50**; 1,000, **$40.00.**

Vaughan's Paper White Narcissi

KING ALFRED

Forcing Daffodils

DAFFODILS are excellent subjects for indoor growing in bulb pans in soil or fibre. These require more skill in growing than do Paper White Narcissi. Success depends on the extent to which fine roots are developed before the pots are brought to the light. These roots develop best when the pots are about fifteen degrees above freezing. A pit in the garden which is protected from surface water, so it will not fill, is an excellent place to store the bulbs. The pots may be covered with leaves, straw, or even with ashes or sand; and brought in after eight weeks, when it is desired to begin forcing them. Figure on not less than five months before flowers are produced. After being brought into the house, a temperature of 60 degrees is sufficient until the formation of buds begins, and the best flowers will then be formed in a temperature of 68 degrees. All the light possible should be given after top growth begins. King Alfred is easiest to grow.

Emperor. The entire flower is a rich yellow trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-inch pot will make a splendid show. Each, **15c**; doz., **$1.10**; 100, **$7.50.**

King Alfred. "The King of Yellow Daffodils." Tall, vigorous, golden yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Each, **15c**; doz., **$1.50**; 100, **$10.00.**

Spring Glory. A very early showy bicolor daffodil with large white perianth, broad and spreading, trumpet large and handsome, bright yellow with open frilled mouth. Each, **15c**; doz., **$1.20**; 100, **$8.00. (Illustrated on Cover B.)**

Tresserve. A flower very large with slightly campanulate canary-yellow perianth and a very bold rich yellow trumpet with wide expanded brim deeply flanged and measuring 2¼ inches across. Each, **15c**; doz., **$1.45**; 100, **$9.50. (Illustrated on Cover B.)**

Cheerfulness. The double Elvira, a very pleasing double white Poetaz, good stems, a fine garden and show flower. Each, **20c**; doz., **$1.65**; 100, **$11.00.**

Laurens Koster. Perianth white, cup light orange-yellow. Each, **10c**; doz., **$1.00**; 100, **$7.00.**

Orange Cup. Yellow perianth, cup orange red nicely frilled. Each, **15c**; doz., **$1.45**; 100, **$9.50.**

Twink. It is a double of the semi-full type, the petals alternating a soft primrose and clear orange, so arranged as to give the flower a most attractive appearance. Each, **25c**; doz., **$2.50**; 100, **$18.00. (Illustrated on Cover B.)**

Best of all Bulbs to Grow in Pebbles and Water

(Illustrated in Color on Cover Page H)

THESE have been favorites for ages as a decoration for the living room during the coldest winter months when flowers are scarce. Their culture is simple, and with good strong bulbs such as we supply, flowering is sure. Plant bulbs in shallow bowls filled with pebbles, or fibre, and water. Keep in the dark until roots form (about 2 weeks) then bring into light. A day temperature of not over 70° is best.

Fancy selected bulbs (13 ctm.). Three bulbs for **15c**; doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

Mammoth bulbs (14 ctm.) Three bulbs for **20c**; dozen, **60c**; 100, **$4.00**; 1,000, **$35.00.**

Jumbo bulbs (15 ctm.). Three bulbs for **25c**; dozen, **75c**; 100, **$5.00**; 1,000, **$45.00.**

The Yellow Paper White
(GRAND SOLEIL D'OR)

A larger, stronger scented form of the Paper White Narcissus colored a beautiful golden yellow with a darker cup.

Mammoth bulbs. Per three, **45c**; dozen, **$1.40**; 100, **$10.00.**

Chinese Sacred Lily (Narcissus)

THIS narcissus is called by the Chinese the "Joss Flower" or "Flower of the Gods," and "Water Fairy Flower." It is highly prized for the abundance of its flowers and its marvelously rapid growth. The flowers are white, with yellow cup, and very fragrant. Each bulb produces several flower-spikes. In China and Japan the bulbs are grown in the living rooms in fancy bowls filled simply with pebbles and water. Place in a sunny window by day and on a table near the center of the room by night, as frost destroys the flower buds. Care should be taken that it is not placed in a draft, as this may cause non-flowering. Recommended for Christmas flowering.

Large Bulbs. Each, **10c**; three for **25c**; per dozen, **$1.00**; 100, **$7.00.**

Calla Lilies

WHITE, Ready Now. A well-known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer.

First Size (1¼ to 1½ in.)...Each, **10c**; doz., **$1.00**; 100, **$7.00.**

Select Size (1½ to 1¾ in.)...Each, **20c**; doz., **$2.00**; 100, **$15.00.**

Mammoth (1¾ to 2 in.)....Each, **35c**; doz., **$3.50**; 100, **$25.00.**

Jumbo (2 in. and over).....Each, **50c**; doz., **$5.00**; 100, **$38.00.**

Golden Yellow Elliottiana,
Ready in November

New and beautiful variety; same habit of growth as ordinary white Calla; flowers same size and shape, rich, clear, lustrous golden yellow; foliage dark green, with translucent creamy spots, strong bulbs.

First Size (2 to 2½ in.).....Each, **20c**; doz., **$2.00**; 100, **$15.00.**

Mammoth (2½ to 3 in.)....Each, **35c**; doz., **$3.50**; 100, **$25.00.**

Jumbo (3 in. and up).....Each, **50c**; doz., **$5.00**; 100, **$38.00.**

CALLA BABY WHITE

Dainty little flowers on plants 12-18 inches high. Steady bloomer. Fine pot plant.
Each, **25c**; doz., **$2.50**; 100, **$18.00**

FREESIAS Forced in Flower Pot

Giant Freesias

These fragrant flowers are easily forced in pots, pans or window boxes; and they make delightful decorations on the table or in the sunparlor. They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window where they will flower freely from January onwards. Grow cool.

All Bulbs are Mammoth Size
⅝–¾ inch

APOTHEOSE. New. One of the best varieties, very large robust flowers, opening deep mauve-lilac, turning to bright carmine-pink; white throat, tall, stems. Doz., **60c**; 100, **$4.00**; 1,000, **$35.00.**

ELDER'S GIANT WHITE. The finest white variety, beautiful pure white flowers double the size of Purity. Doz., **75c**; 100, **$5.00**; 1,000, **$40.00.**

GOLDEN DAFFODIL. A great improvement over any other yellow sort, the color is rich daffodil yellow. Doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

WHITE CHIEF. A new Giant White, stems average 18 to 20 inches long. Single flowers 2½ inches long; early bloomer. Doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

MRS. MARC PETERS. Very attractive deep rosy salmon, blotched orange with yellow. Doz., **60c**; 100, **$4.00**; 1,000, **$35.00.**

MISS BLANCHE BLUE. (Patented) Deep blue, large, open flowers; tall, strong stems; long lateral stems; a sturdy grower and easy forcer. Doz., **75c**; 100, **$5.00**; 1,000, **$40.00.**

MARIE LOUISE VIOLET. The flower is large of a deep blue violet color, sometimes with a little touch of pink in it, which makes it very attractive. Doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

RED RIDING HOOD. A new color; blood red, yellow throat with lines of red. Under average greenhouse conditions it will grow to 33 inches. The growth is upright, stems rigid and each bulb produces from 3 to 4 laterals. Doz., **$1.10**; 100, **$8.00**; 1,000, **$75.00.**

SUNSET. Something new in color, flame orange reminding you of the glorious sunsets in California. Doz., **60c**; 100, **$4.00**; 1,000, **$35.00.**

ROSY MORN. The color is a rosy-pink suffused with golden yellow at the base of each petal. Early bloomer. Stem is strong and wiry. The leaves upright and the blossom is of the open, round petal type. Doz., **75c**; 100, **$5.00**; 1,000, **$40.00.**

RUTH CHATTERTON. The color is distinctly new, tyrian rose shading to tyrian pink; shot with delicate streaks of cadmium yellow becoming solid yellow down into the perianth. The flowers and sprays are gigantic, delicately perfumed and supported by long, heavy stems with two and three long laterals. Doz., **80c**; 100, **$7.00**; 1,000, **$65.00.**

Lachenalias

Lachenalias are useful as pot plants because of their bright flowers and interesting foliage.

PENDULA SUPERBA. Bright red. Early firecracker like flowers one inch long on 6 to 9 inch stems; bloom in December and January. Three Bulbs for **$1.00**, doz., **$3.50**; 100, **$25.00.**

LEUCOCORYNE (GLORY OF THE SUN)

Leucocoryne

(Glory of the Sun)

Flowers exquisite light blue on tall, wiry stems and of very long-lasting quality with faint heliotrope fragrance. For indoor culture except in warm states. Each, 20c; doz., $2.00; 100, $15.00.

Lilies of the Valley

(Illustrated in Color on Cover Page H.)

THESE beautiful, fragrant flowers may be brought to flower in 18 to 21 days, if pips from cold storage are used. They are easily forced in a bowl, if planted in sphagnum moss and kept well watered. Their dainty fragrance is preferred by many to the large Paper White Narcissi, and they are much quicker to flower. Do not order more than you intend to use at once as the cold storage pips will not keep. Plant about 25 pips in a 7-inch bowl, place in a warm temperature, 65 degrees Fahrenheit and shade from light until leaves and spikes are well developed, then admit light gradually. Increase temperature to 75 degrees or 80 degrees if possible. An inverted pot over each bowl answers admirably to shade them. They may be forced in soil the same way, in a 7-inch pot or pan. This is the treatment for cold storage pips only.

COLD STORAGE PIPS, (Ready November 1). 25 for $2.00; 100 for $7.50, postpaid.

SPHAGNUM MOSS, sufficient for 25 pips, 10c, postpaid.

LILIES ON YOUR TABLE ALL WINTER

One month covers the time from planting cold storage lily of the valley pips, through flowering, and fading. To keep your bowl filled through the winter we have arranged to book orders for divided shipments, a month apart. Cold storage pips must be planted promptly on receipt. We will send the first shipment at any date you wish (Nov. 25 will give you Christmas flowers) and will duplicate the shipment every 30 days thereafter, as long as you wish (until April 1). Minimum shipment is 25 pips, for $2.00, prepaid to 300 miles. For two months' supply (25 each 30 days), send $4.00; 3 months, $6.00; 4 months, $8.00; 5 months, $10.00.

Oxalis

For Indoor Planting Only

Most of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil.

GRAND DUCHESS. Lavender, pink and white. Doz., 45c; 100, $3.00; 1,000, $25.00.

BERMUDA BUTTERCUP. Doz., 50c; 100, $3.50; 1,000, $30.00.

HIRTA. Deep pink, very fine for hanging baskets. Doz., 50c; 100, $3.50; 1,000, $30.00.

A Winter Window Garden

18 Bulbs Including Six Different Subjects With Vaughan's Prepared Bulb Fibre. Prepaid 300 Miles $1.65

INCLUDED IN THIS OFFER

- 3 Single Early Red Tulips.
- 3 Mammoth Paper White Narcissus bulbs, 14 ctms.
- 3 Yellow Paper Whites (Grand Soleil D'Or) mammoth bulbs.
- 2 Chinese Sacred Lilies, mammoth bulbs.
- 6 Giant Freesias, "White Chief."
- 1 Calla Lily bulb, first size.
- 2 Pounds of Vaughan's Prepared Bulb Fibre.

Most of you know how easy it is to force into flower the beautiful, fragrant, Paper White Narcissi, in bowls of water. By using Vaughan's prepared bulb fibre in place of pebbles, the variety of bulbs that can be forced is widely increased.

METHOD OF FORCING BULBS IN FIBRE. Moisten Vaughan's Prepared Bulb Fibre to saturation, fill the bowl with wet fibre, and plant the bulbs allowing their necks to emerge from the fibre, but without pressing the fibre too firmly around them. Place the bowl in a cool, airy place where the light is dim or dark, and preferably the temperature does not rise above 55 degrees. Keep the fibre moist, since if it dries out the flower buds may go blind. But water sparingly until good roots have formed. When strong top growth has been made in the dark, take the bowl to a sunny window, where it will have fresh air, all the sunlight possible especially in the morning, and preferably a temperature not less than 55 nor more than 70 degrees.

Complete Directions for Planting and Forcing All These Subjects Are Included.

Giant Amaryllis

(Illustrated in Color on Cover Page H.)

OF ALL bulbs which the amateur can grow successfully indoors, the Amaryllis is the largest, most beautiful, surest to flower and most easily handled. Our new hybrids, especially, are so gorgeous in size and coloring as to amaze those not familiar with them. From a single stem, spring from one to three lily-like flowers, six to eight inches in diameter.

Place only one bulb in each pot, covering it as far as the neck or upper narrow part. Water sparingly at first until the flower shoots begin to appear. Some growers keep them in the dark until the flower stems are four or five inches long, and then bring to light.

After flowering they should be placed in a warm window, or set outside in sand or cinders and watered every day (sometimes twice a day), until the end of August when water should be gradually withheld and the bulbs allowed to go to rest. In the fall they can be forced again as with new bulbs.

EQUESTRE. Orange-scarlet. Each, 15c; doz., $1.50; 100, $11.00.

Vaughan's New Hybrids. One of the finest strains of amaryllis we have seen. We can supply bulbs in the following selected colors. Bulbs are two-inch and up in diameter.

Mixed. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

	Each	Doz.	100
2-2½ in. Dia.	$0.30	$3.00	$22.50
2½-3 in. Dia.	.45	4.50	30.00
3-3½ in. Dia.	.55	5.50	40.00

We can supply in separate colors. Each, 75c; doz., $7.50, in the following shades:

Dark Red	Rose
Light Red	Red with Light Stripes
Salmon	Light Shades

JOHNSONII. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each, 35c; doz., $3.50; 100, $25.00.

OXALIS (GRAND DUCHESS)

ORNITHOGALUM (Thrysoides Flora Plena)

Ornithogalum

AUREUM. Of a rich apricot orange, this is perhaps the finest of ornithogalums. The flower stems are usually over a foot; with most of the upper half covered with flowers. Its ease of culture, and the lasting qualities of the flowers make it an ideal cut flower. Flowering Size Bulbs: Each 20c; doz., $2.00; 100, $15.00.

THRYSOIDES FLORA PLENA. The flower has the keeping quality of the single and the appearance of a double Tuberose, with no strong odor. Three for 45c; doz., $1.25; 100, $8.00.

ARABICUM. Star of Bethlehem. Throws up a tall stem with a cluster of star-shaped flowers; pure white with dark centers. Excellent for cutting, lasting a long time in water. These bulb flowers are very hardy in the South and other mild climates, but they should be given protection when planted outdoors in the North. Culture in the house is about the same as for Hyacinths. Doz., 80c; 100, $5.50; 1,000, $50.00.

SNOWDROPS (Galanthus)

BYZANTINUS. The finest Giant Single Snowdrop blooming very early, and producing large, handsome, globular flowers. A very free bloomer, very valuable for indoor culture, for it will flower in January. Doz., 85c; 100, $6.00; 1,000, $55.00.

Hyacinths

HYACINTHS are returning to favor in gardens. Blossoming with the early tulips, they contribute to the spring garden fragrance as well as colors which at that time no other flowers can give so well. Indeed, it is doubtful whether at any time of the garden year lovelier true pinks and blues can be found than those which hyacinths provide.

They serve to border paths, near all garden architecture, including ornaments such as bird baths, pools and fountains, and groups of hyacinths may well be worked into the border planting, where they will provide a needed color foil or accent.

For garden planting, it is not necessary to use the largest forcing sizes. Bulbs of third and bedding sizes will do well. Take especial care to plant them in well drained soil, and if there is any doubt, elevate the bed a few inches to keep them above water. Plant bulbs six inches deep, and after the ground has frozen a light mulch to keep the frost in, will benefit.

Red and Rose

Gertrude—Rose-Pink, one of the best pot varieties.
La Victoire—Brilliant red.
Marconi—Bright pink, very good.
Queen of Pinks—Rose-pink, choice.

White

Arentine Arendsen—Pure white, large bells, splendid spike, best for outdoor planting.
L'Innocence—Pure white, best for growing in pots indoors.

Yellow

City of Haarlem—Golden yellow.
Yellow Hammer—Lemon yellow

Blue

Dr. Lieber—Dark blue, darker than Grand Maitre, lighter than King of Blues.
Grand Maitre—Dark porcelain blue.
King of Blues—Very dark blue.
Queen of Blues—Very light blue
Wedgewood—Clear blue, large truss.

	Each	Doz.	100
Mammoth Bulbs. (19 Ctm.)	$0.25	$2.25	$15.00
First Size (18-19 Ctm.)....	.20	1.80	13.00
Second Size (17-18 Ctm.)..	.18	1.55	10.50
Third Size (16-17 Ctm.)...	.15	1.25	8.50
Bedding Size (15-16 Ctm.)	.12	1.00	7.00

Above prices are for your selection of named varieties.

French-Roman Hyacinths

The white variety, if planted early in September and slowly forced, will bloom in December. The others require from two to three weeks longer. They will flower in three months.
Blue, per doz., 90c; per 100, $6.00.
Light Pink, per doz., $1.00; per 100, $7.00.
White, select size, per doz. $1.60; per 100, $11.00.

DUTCH ROMAN HYACINTHS FORCED IN FIBRE

Dutch Roman or Miniature Hyacinths

These are small bulbs of the varieties listed in the first column on this page, and they are excellent for growing by amateurs in pots, pans, bowls or window boxes. They give flower spikes much larger than would be expected from their size, which is from 13 to 14 centimeters in circumference. Your selection of named varieties, chosen from the list in first column. Each, 10c; doz., 75c; 100, $5.50.

Hyacinth Multiflora

AS a result of a special cultural treatment in July by our Holland grower, Hyacinth bulbs can be grown which from a single bulb will produce 6 to 12 excellent flowers. The flower spikes are not as heavy as the regular Dutch Hyacinth. They resemble the French Roman Hyacinths, are very fragrant and are beautiful as a pot plant.

We offer these in four colors, red, white, blue, rose-pink. Each, 50c; doz., $5.00.

HYACINTH MULTIFLORA

Hyacinths in Glasses

Fill the glass with clear, soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and sweet. The filled glass should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be given more heat, and gradually exposed to the light. Water must never be changed, but only be replenished. Large bulbs are best for this purpose.

Hyacinth Glass

Not responsible for breakage in transit

For growing hyacinth bulbs in water. In four colors: green, blue, amber, and crystal. Each, 40c; doz., $4.00.

250 Bulbs will be sold at the 1,000 rate

GRAND MAITRE

Hyacinths in Pots

For Winter Blooming

LIGHT, rich soil produces the best flowers. Place each bulb one inch deep, an inch and one-half from each other bulb or edge of pot. Water well, and set away in a dark, cool cellar, or an outdoor pit which is well drained. If outside, cover with three or four inches of sand or ashes. Let them remain there for eight or ten weeks to root, then bring them into a warm room, but keep them in the dark (cover the pot with a paper bag, cloth, etc.). Then when the flower spike is three or four inches out of the bulb, they may be exposed to the light, and will open beautifully. The largest bulbs are best for indoor growing. French-Roman Hyacinths in pots flower earlier than the others.

Exhibition Hyacinths (Mammoth Bulbs)

These are the bulbs 19 centimeters and over listed in the first column on this page. They are not recommended for outdoor planting but should be used for forcing in glasses, or in pots or pans. We have arranged with one of our Dutch growers to select these bulbs for their ability to give huge spikes of flowers, suitable for flower shows, or for striking decorative effects.

A succession of decorative flowers can be produced with exceptional ease and certainty by starting mammoth hyacinths to grow in glasses at intervals of two weeks.

The Hardy Lilies

LILIUM AURATUM PLATYPHYLLUM

Many imported lily bulbs arrive in this country very late in the fall. Note carefully the arrival dates stated below. If freezing threatens before your bulbs arrive, cover the soil with a heavy mulch to keep it soft.

LILIES are so beautiful, so fragrant, we are likely to think them too fine for the amateur to grow. But many are hardy, thrifty flowers, capable of surviving conditions which would overcome flowers much less beautiful. Grow them in the border in small groups, with background, where their beauty has a suitable setting for its display. They blossom, as a rule, in midsummer, when fine flowers are at a premium.

Lilies Arrive from Japan in November

Most Lily Bulbs, being of late maturity, are not ready before October and late November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or straw so the bulbs may be planted on arrival.

Outdoor Culture—When planting lilies out-of-doors, see that they have a well drained position, and where they will be shaded from very hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Never mix manure in the soil around lilies, but enrich with a standard commercial plant food or with bone meal. Many varieties are termed "stemrooters," that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top-dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies. Plant the bulbs 4 to 6 inches deep, depending on their size and the soil, deeper in light soil. Put some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late spring.

Indoor Culture—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top-dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench in full light. An occasional application of liquid cow manure, starting about six weeks before flowering time, will stimulate the plant wonderfully. **Thorough rooting is essential.**

Lilium Amabile
Ready in October

The flowers are comparatively large and reflexed. Grenadine-red spotted with brown blotches. 3-4 ft. July flowering. Stock limited, flowering size. Each, **50c**; doz., **$5.00**; 100, **$35.00**, prepaid.

Lilium Auratum
Ready Late November. Bulbs supplied by us are treated with special disinfectant which prevents decay.

The Gold-Banded Lily of Japan—The most beautiful variety of all the lily family—should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. When grown in the open, prefers a position where it is somewhat shaded for part of the day, preferably during the afternoon. The position should be well drained and prepared with loamy soil to a depth of 2 feet, and the bulbs planted with their base 7 inches from the surface, a little clean sand being placed beneath and around each bulb. When the buds are commencing to spread from the stem a light stimulant may be applied at intervals of 10 days if the weather is dry, and a light mulch placed over their roots. After flowering, but not until the leaves begin to yellow, the old flower-stems may be bent over at half their height. It is more satisfactory than cutting them off, as this treatment leaves a funnel-like stem to carry water into the heart of the plant and set up rotting. During the winter months the bulbs require no attention whatever. L. auratum and its forms are really woodland Lilies, and there is no better place in which to grow them than a thin wood composed of summer-leafing trees; such conditions should be copied as far as possible when a site is being chosen in the garden. They do, nevertheless, succeed in beds and borders where their station has been well prepared.

First Size (8 to 9 in.), each, **20c**; doz., **$2.00**; 100, **$15.00**.
Mammoth (9 to 11 in.), each, **30c**; doz., **$3.00**; 100, **$20.00**.
Jumbo (11 to 13 in.), each, **45c**; doz., **$4.50**; 100, **$30.00**.

Lilium Auratum Platyphyllum
(An Improved Auratum) Ready Late November

This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger.

First Size (8 to 9 inch), each, **30c**; doz., **$3.00**; 100, **$20.00**.
Mammoth, (9 to 11 inch), each, **45c**; doz., **$4.50**; 100, **$30.00**.
Jumbo (11-13 inch), each, **55c**; doz., **$5.50**; 100, **$40.00**.

Lilium Batemanniae
Ready November

One of the most beautiful of all lilies, its clear apricot coloring being so attractive it draws instant attention. The flowers are three to four inches in diameter, opening in August. Very hardy and easy of culture, three to four feet tall. Each, **20c**; per doz., **$2.00**; 100, **$15.00**.

Lilium Browni Odorum
Ready November

Massive, trumpet shaped flowers, deliciously fragrant. They open pale yellow and fade quickly to a pure, creamy white color. The outside of the trumpets is bronze. Easy to grow if good drainage is provided Height, 2½ to 3½ ft. Each, **50c**; per doz., **$5.00**.

Lilium Canadense
(Meadow Lily)—Ready October

The whole plant has a downward, graceful movement and looks like a slender, tiered green belfry ringing golden bells. The flowers are nodding, bell-shaped, with petals flaring out and turning back slightly. They are heavily dotted on the inside with purplish brown dots. Blooms the end of June to July. Should be planted five inches deep. It is an excellent lily for naturalizing. Height, 3 to 5 ft.

Canadense Mixed—Each, **20c**; dozen, **$2.00**; 100, **$15.00**.

Lilium Cernum
Ready November

The lilac colored Tenuifolium lily. A very sturdy, hardy lily of very easy culture and rare beauty. Nodding, recurved petals, on stems up to four feet tall but usually two and one-half to three feet.

Each, **30c**; per doz., **$2.75**; 100, **$20.00**.

The Hardy Lilies

Lilium Candidum
(The Madonna Lily) Now Ready

Legend is rich in praises and reference to the Madonna Lily. It is one of the oldest, loveliest, and best known lilies. A favorite of our grandmothers' gardens, its beauty and fragrance bring back days long past. The flowers, of which there are three to twenty on each stem, depending upon the size of bulb planted, are snow-white, with heavy yellow stamens, and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders should, therefore, be mailed on receipt of this Catalogue.

We handle only the thick petaled type which is imported from Northern France.

18-20 CENTIMETERS (7-8 inch circumference). Each, **20c**; dozen, **$2.00**; 100, **$15.00**.

20-22 CENTIMETERS (8-9 inch circumference). Each, **25c**; dozen, **$2.50**; 100, **$18.00**.

22-24 CENTIMETERS (9-9½ inch circumference). Each, **30c**; dozen, **$3.00**; 100, **$20.00**.

24-26 CENTIMETERS (9½-10½ inch circumference). Each, **35c**; dozen **$3.50**; 100, **$25.00**.

26 CENTIMETERS and over (10½-12 inch circumference). Each, **50c**; dozen, **$5.00**; 100, **$38.00**.

28 CENTIMETERS and up (12-inch circumference and up), Each, **60c**; dozen, **$6.00**; 100, **$45.00**.

Lilium Concolor
Ready October

A very pretty Chinese lily, especially adapted to use in rockeries. Flowers are upright, starlike in form, deep vermilion. Blooms in July, 6 to 18 inches high. Plant four inches deep. Perfectly hardy in the most northern sections of the United States.

Each, **20c**; dozen **$2.00**; 100 **$15.00**.

Lilium Hansoni
Ready October

The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, **35c**; dozen, **$3.50**; 100, **$25.00**.

Lilium Elegans
(Lilium Thunbergianum)—Ready October

A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. The cup-shaped flowers range through the reds and yellows. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock-gardens.

Elegans, Alice Wilson. Upright flowers of bright lemon-yellow, very bright and showy in June. Plant shallow in light soil in full sun. Each, **30c**; doz., **$3.00**; 100, **$20.00**.

Elegans Atrosanguineum. The flowers are dark blood-red with purple dots. Each, **25c**; dozen, **$2.50**; 100, **$18.00**.

Mixed. Each, **20c**; dozen, **$2.00**; 100, **$15.00**.

Easter Lily—See Longiflorum Giganteum.

Lilium Henryi
Ready November
(Illustrated in Color on Cover E.)

A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted, reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage.

8 to 9 inch. Each, **20c**; doz., **$2.00**; 100, **$15.00**.
9 to 11 inch. Each, **30c**; doz., **$3.00**; 100, **$20.00**.

Lilium Japonicum
(Formerly Lilium Krameri)—Ready November

The flowers, a lovely shade of pale pink, are tubular, being held in a horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots which are kept in the cellar during the winter. Plant five inches deep, in a light, peaty soil which must be well drained.

Each, **30c**; dozen, **$3.00**; 100, **$20.00**.

Lilium Longiflorum Giganteum
Easter Lily—Not Hardy—Ready October

This is the lily commonly grown for Easter blooming. The larger bulbs produce more blooms.

Small bulbs 7-9 inches in circumference. Each, **20c**; dozen, **$1.75**; 100, **$12.00**.
Medium bulbs 8-10 inches in circumference. Each, **25c**; dozen, **$2.25**; 100, **$17.00**.
Mammoth bulbs 9-10 inches in circumference. Each, **30c**; dozen, **$3.00**. 100, **$20.00**.
Jumbo bulbs 10-12 in. in circumference. Each, **45c**; doz., **$4.50**; 100, **$35.00**.
Extra Jumbo 11-13 in. Each, **60c**; dozen, **$6.00**; 100, **$45.00**.

Lilium Longiflorum
(Outdoor Easter Lily)—Ready November

Large, tubular flowers of pure white, giving forth a pleasing fragrance. This lily is the same as the Easter lily in appearance, but is a better garden subject, as it can withstand a lower temperature during the winter. Each, **25c**; doz., **$2.50**; 100, **$18.00**.

Lilium Pardalinum—Ready October

(Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. Ten to thirty flowers on a 5-6 foot stem.

Each, **25c**; doz., **$2.50**; 100, **$18.00**.

Lilium Philadelphicum—Ready October

(Wild Red Lily)—The flowers are three to four inches in diameter, produced one to five on a stem, one to three feet high. The color is bright orange-red, tinged yellow in center and spotted deep purple, with red anthers. Blooms during June and early July.

Each, **20c**; doz., **$2.00**; 100, **$15.00**.

Lilium Phillipinense Formosanum

A refined and graceful Lily with long grassy foliage, and long wide-mouthed trumpet flowers of the purest white, slightly marked externally with reddish brown. The plants grow to a height of 2-3 feet, are very robust and offer great resistance to wind and weather. It is hardy, very fragrant and one of the loveliest of the new varieties. Each, **20c**; doz., **$2.00**; 100, **$15.00**.

The Hardy Lilies

Lilium Regale—Ready October
(Illustrated in Color on Cover Page E.)

The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flowers are beautiful, possessing a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance.

First Size, 6-7 in. in circumference. Each, **15c**; doz., **$1.50**; 100, **$10.00**.
Select Size, 7-8 in. in circumference. Each, **20c**; doz., **$2.00**; 100, **$15.00**.
Mammoth Size, 8-9 in. in circumference. Each, **25c**; doz., **$2.50**; 100, **$18.00**.
Jumbo Size, 9-10 in. in circumference. Each, **35c**; doz., **$3.50**; 100, **$25.00**.
Extra Jumbo 10-11 in. Each, **50c**; dozen, **$5.00**; 100, **$35.00**.

Lilium Speciosum Rubrum (Magnificum)
(The Lance-Leaved Lily)—Ready November
(Illustrated in Color on Cover Page E.)

The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late Aug. and early Sept. bloomer. Plant the bulbs eight to ten inches deep.

Our bulbs are treated with a special disinfectant which prevents decay.
First Size. (8-9), each, **20c**; dozen, **$2.00**; 100, **$15.00**.
Mammoth Size (9-11), each, **30c**; dozen, **$3.00**; 100, **$20.00**.
Jumbo Size (11-13), each **45c**; dozen, **$4.50**; 100, **$32.00**.

Lilium Sulphureum

Large, fragrant, funnel-shaped flowers, pale sulphur-yellow deepening at the throat, and tinged outside with claret-red. 2-3 flowers on a stem, but when established and well cultivated it will bear 6 or more flowers. Height 5-6 feet. Late August flowering. Plant 10 inches deep in sandy, lime-free loam with a liberal addition of decayed leaf-mould. Must have good drainage and should be given a covering of straw or leaves the first season of planting.

5-6 inch: Each, **75c**; Doz., **$7.50**. 6-7 inch: Each, **$1.00**; Doz., **$10.00**.

Sunset Lily

Because of its ease of culture, rapidity of increase and its extreme hardiness, the new Sunset Lily is certain to achieve widespread favor. Height 5-6 ft. with 10 or more flowers to the stalk. This lily is bright red in color, the central portion being a bright yellow with dark spots. Stems are straight and strong with no tendency to droop. Not particular as to soil, it will thrive in full sun or partial shade, and while it appreciates good drainage, a liberal amount of water during the growing season pays good dividends in larger blossoms and greater height. July flowering.

Large bulbs, each, **45c**; doz., **$4.50**.

Lilium Superbum—Ready October
(Illustrated in Color on Cover Page E.)

(American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from ten to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. This lily requires an acid condition and should be planted at least 8 inches deep. Height, 3-8 feet. Each, **20c**; dozen, **$2.00**; 100, **$15.00**.

LILIUM TESTACEUM

Lilium Speciosum Album—Ready November

A pure white form of Lilium Rubrum.

First Size (8-9), each, **35c**; dozen, **$3.50**; 100, **$25.00**.
Mammoth Size (9-11), each, **50c**; dozen, **$5.00**; 100, **$35.00**.

Lilium Tenuifolium—Ready October
(Illustrated in Color on Cover Page E.)

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, **15c**; dozen, **$1.50**; 100, **$10.00**.

Lilium Tenuifolium Golden Gleam

A very fine robust and floriferous Hybrid of this type bearing numerous flowers of a pure apricot-yellow. Plant about 7 inches deep. June flowering. Each, **30c**; Doz., **$3.00**; 100, **$20.00**.

Lilium Testaceum
(The Nankeen Lily, Excelsum, Isabellum)—Ready Now

A cross of the Madonna lily with the scarlet turks-cap, Chalcedonicum. It grows as high as six feet, the basal leaves are large, diminishing in size toward the top as in the Candidum. There are three to ten flowers, three to four inches across. They are nodding, with reflexed, waxy, glistening petals, rounded at the tips, and of a creamy peach color popularly known as Nankeen yellow. The anthers are a reddish orange, a delightful contrast against the cream of the flower. It blooms at the same time as the Madonna lily.

6-7 inch. Each, **$1.00**; Doz., **$10.00**. 7-8 inch. Each, **$1.50**; Doz., **$15.00**.
8-9 inch. Each, **$2.00**; Doz., **$20.00**.

Lilium Tigrinum Splendens—Ready October
(Illustrated in Color on Cover Page E.)

(Tiger Lily)—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems.

Each, **15c**; dozen, **$1.50**; 100, **$10.00**.

Lilium Tigrinum Flore Pleno—Ready October

(Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens.

Each, **20c**; dozen, **$2.00**; 100, **$15.00**.

LILIUM JAPONICUM

Lilium Umbellatum
(Subspecies of Davuricum)—Ready October

This group of lilies is of hybrid origin, resulting in crosses of the frail Lilium Davuricum (an Asiatic lily), with the European species, Croceum, and Bulbiferum. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape.

Mixed. Each, **25c**; doz., **$2.50**; 100, **$18.00**.

Lily of the Valley—Ready October

Large Clumps—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors; they give a quicker and better effect at less cost.

Each, **50c**; dozen, **$5.00**; postpaid.

Lilium Willmottiae—Ready October

A beautiful and rather rare lily from China. Well grown specimens often carry more than twenty brilliant orange-red flowers, three inches across. The entire plant has a slender, graceful appearance, but still is very sturdy. The flowers are covered with very fine dots.

Each, **45c**; doz., **$4.50**.

LILIUM HANSONI

Hardy Perennial Plants for *Fall* Planting

HARDY perennials may be set out this fall in time to become well established before winter sets in; and next year will see them better developed, and bearing finer flowers than can be obtained from plants set in your border next spring.

This advantage is accompanied with very little extra risk. We do not list the kinds which need special protection through the winter. It is always well to apply a mulch over newly planted perennials, after the ground has frozen. This will tend to prevent winter thaws and frost heaving. Plants should not be placed where water stands, as excessive dampness in the winter causes rot during mild spells.

All plants are F. O. B., Chicago.

Plants are shipped with their roots well wrapped; and as packages must go by parcel post or express, it is impossible to make prices which cover postage, and are fair alike to all customers. So all prices in our plant list are F. O. B. Chicago, and if it is desired to have them sent by mail, postage should be added at zone rates. If sent by express, they go collect, at customer's expense.

ACHILLEA, The Pearl

ACHILLEA (Milfoil, Yarrow)

Achilleas are of easy culture and grow in any good garden soil. They are useful for cutting.

—**Perry's White.** 2 ft. June-Aug. White. 3 for 85c; doz., $2.50. **Seeds,** pkt., 25c.

ANCHUSA

×**Myosotidiflora.** 1 ft. A Russian species, bears in April a profusion of pretty pale blue Forget-Me-Not flowers. 3 for 85c; doz., $2.50; 100, $15.00. **Seeds,** pkt., 35c.

AQUILEGIA (Columbine)

The Columbine is one of the most beautiful hardy perennials, producing graceful spurred flowers on 2-ft. stems. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation, best if sheltered but exposed to full sun.

×**Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc., and are the result of very many years careful hybridization. 3 for 85c; doz., $2.50; 100, $15.00. **Seeds,** pkt., 25c.

ASTER (Michaelmas Daisy)

Masses and clouds of dainty and brightly colored blossoms throughout the autumn months.

—**Abendrothe.** 3 to 5 ft. Beautiful deep rose. 3 for 85c; doz., $2.50.

—**Amethyst.** 3 ft. Dark lavender blue. 3 for $1.00; doz., $3.50.

—**Charles Wilson.** Brilliant red flowers of good size, 3 feet. 3 for $1.25; doz., $4.00.

—**Climax.** 5 ft. Large, pyramidal spikes of large, light lavender-blue flowers, gold centers. Sept.-Oct. 3 for 85c; doz., $2.50.

—**Red Rover.** 3-4 ft. Sept. Deep rosy red with golden center. Compact habit and free blooming. 3 for $1.00; doz., $3.50.

—**Skylands Queen.** 3 ft. Immense pale blue flowers, bright yellow centers. 3 for $1.25; doz., $4.00.

—**Snowdrift.** 3 ft. Pure white. 3 for 85c; doz., $2.50

NEW DWARF ASTERS

These are barely one foot tall, bushy, compact plants, smothered with bloom in Sept. and October.

×**Countess of Dudley.** Clear pink, yellow center.

×**Marjorie.** Large rose pink.

×**Nancy.** Pale flesh pink.

×**Victor.** Very dwarf, pale lavender.

×**Snowsprite.** Very dwarf dense white bloom.

CAMPANULA (Bell-flower)

A most important family for the flower garden. The dwarf species are charming.

—**Persicifolia Coerulea (Peachleaf Bell-flower).** 2-3 ft. Blue. 3 for 85c; doz., $2.50; **Seeds,** pkt., 25c.

COREOPSIS (Tickseed)

One of the most popular hardy plants.

—**Double Flowering (Grandiflora Fl. Pl. Special Selection).** A well fixed double and semi-double strain. 3 for $1.00; doz., $3.50.

—**Lanceolata grandiflora.** June-Oct. Yellow. 2 ft. 3 for 65c; doz. $2.00; 100, $12.00. **Pkt.,** 10c.

DAISY (Shasta)

—**Alaska.** 2 ft. Wonderful show of large white flowers. Fine for cutting. 3 for 65c; doz., $2.00; 100, $12.00. **Seeds,** pkt., 10c.

—**Hartje and Elder.** 2 ft. The first Shasta Daisy to bloom. 3 for 85c; doz. $2.50.

DELPHINIUM (Perennial Larkspur)

—**Belladonna.** Sky-blue. June-Aug. 3 ft. 3 for 85c; doz., $2.50. **Seeds,** pkt., 20c.

—**Bellamosum Improved.** Deep blue with white bee. 3 ft. 3 for 85c; doz., $2.50.

—**Blackmore and Langdon Strain.** All the clear shades of blue with many delightful opaline variations; all with bees of contrasting colors. 3 for $1.25; doz., $4.00. **Seeds,** pkt., 50c.

—**Wrexham Hollyhock-flowered Strain.** New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. 3 for $1.50; doz., $5.00. **Seeds,** pkt., 50c.

Relative Prices Are as follows:

Plants priced at	per dozen..	3 supplied for	Each
$2.00		....$0.65	$0.25
2.50		.... .85	.35
3.50		.... 1.00	.45
5.00		.... 1.50	.65

6 plants of a variety at the dozen rate.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are over 18 to 24 plants.

Cut Flower Collection

Lovers of cut flowers can depend on our careful selection in this collection of 25 Perennials for cut flowers. We include Achillea, Aster, Delphinium, Pyrethrum, Shasta Daisy, Veronica and other good cut flower varieties. All carefully labeled and at least 15 different varieties.

No. 27. "CUT FLOWER" Perennial Collection, 25 plants, our selection of varieties, for $4.

Shady Border Collection

A valuable assortment of 25 hardy Perennials which thrive in partial to almost total shade. We send Aquilegias, Funkias, Lythrum, Monarda, Polemonium, Violas and other good varieties to brighten a shady spot. 12 different varieties in every collection, each carefully labeled.

No. 27B. "SHADY BORDER" Perennial Collection, 25 plants, our selection of varieties, for $3.75.

Plants for Rock Gardens

The sign × is placed before varieties especially suited for use in rock gardens.

ANCHUSA Myosotidiflora

WORLD'S BEST DELPHINIUMS

—**New Pacific Hybrids. (Vetterle and Reinelt.)** Have been pronounced by competent judges to be the finest in the world.

—**Giant Blues.** Individual flowers are two inches in diameter, spikes 2½ to 5 ft. in length, branching habit of growth. Each, 75c; 3 for $2.00; doz., $7.50.

—**White.** The largest flowers and longest flowering spikes seen in any white strain. **Each,** 75c; 3 for $2.00; doz., $7.50.

DIANTHUS BARBATUS (Sweet William)

Vaughan's Special Mixture. Sweet William. Varied and unique coloring and markings. 3 for 65c; doz., $2.00. **Pkt.,** 25c.

DIANTHUS (Hardy Garden Pink)

—**Plumarius, Vaughan's Special Mixture.** May-Oct., 15 in. 3 for 65c; doz., $2.00. **Seeds,** pkt., 25c.

DICTAMNUS (Gas Plant)

This bushy perennial with its attractive flower spikes blooms June.

—**Fraxinella.** 3 ft. May-June. Large spikes of deep pink purple-veined flowers. **Pkt.,** 15c. 3 for 85c; doz., $2.50.

—**Albus.** 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. **Pkt.,** 15c; 3 for 85c; doz., $2.50.

DICENTRA (Dielytra) (Bleeding Heart or Seal Flower)

—**Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Especially valuable for planting in the shade. 3 for $1.25; doz., $4.00. **Pkt.,** 35c.

EREMURUS (Foxtail Lily)

Tall stately spikes of bloom in May. Very effective for background. Quite rare and a distinct novelty.

—**Himalaicus.** 5 ft. Cream white. Each, $2.00.

—**Himrob.** 6 ft. Pale pink Each, $2.00.

—**Bungei.** 5 ft. Golden yellow. Each, $1.50.

GAILLARDIA (Blanket Flower)

Gaillardias are fine cut flowers. Bloom all summer.

—**Grandiflora Mixed.** June-Oct. Mixed. 1½ ft. 3 for 65c; doz., $2.00. **Seeds,** pkt 10c.

—**Burgundy.** Shining wine red. 2 ft. 3 for 85c; doz., $2.50.

—**Sun God.** The first yellow gaillardia. Pure chamois yellow, long stiff stems. A distinct new introduction. 3 for $1.50; doz., $5.00.

GYPSOPHILA

—**Paniculata (Baby's Breath).** July-Aug. White. 2-3 ft. 3 for 65c; doz., $2.00. **Seeds,** pkt., 10c.

×**Bodgeri. New.** 2 ft. All summer. Introduced as a rock garden type. Blooms very double and large enough for cut flowers. 3 for $1.25; doz., $4.00.

—**Rosenschleier (Rosy Veil).** A dwarf double pink variety giving two crops of bloom. Each, 50c; 3 for $1.50; doz., $5.00.

HEMEROCALLIS (Yellow Day Lily)

New Hemerocallis Hybrids

Hybridizers like Dr. Stout, B. H. Farr, C. Betscher, Amos Perry, George Yeld and others, have created wonderful new Hemerocallis of rare beauty, rich coloring and extreme hardiness.

—**Bay State.** 4 ft. Late June. C. Betscher. Brilliant and glistening deep yellow. **Each,** 60c.

—**Cinnabar.** 2½ ft. July-August. Dr. Stout. Large blooms of unique shading in brownish red gold, cadmium yellow and fulvous red. **Each,** $1 25.

—**Calypso.** 3 ft. A choice variety introduced by Burbank. Large pale lemon-yellow flowers, slightly ruffled. Blooms in July. 3 for $1.50; doz., $5.00.

—**Gypsy.** 3 ft. July. C. Betscher. Deep orange flowers. Slender stems. **Each,** 85c.

—**J. A. Crawford.** 4 ft. Late June. C. Betscher. Rich apricot-yellow shaded light cadmium **Each,** 65c.

—**Lemona.** 4½ ft. Early July. C. Betscher. Delicate and pale lemon-yellow flowers. **Each,** 60c.

—**Mrs. W. H. Wyman.** 4 ft. Early August. C. Betscher. Lovely light pale lemon-yellow flowers. Very free-flowering. **Each,** 60c.

—**Ophir.** 4 ft. July. Early Aug. B. H. Farr. Giant golden yellow blooms, many to a stem. **Ea.,** 75c.

—**Sir Michael Foster.** 4 ft. June-July. Veritable starry trumpets of clear yellow, very fragrant. **Each,** 60c.

—**The Gem.** 3½ to 4 ft. Middle of June. Rich, deep orange-yellow flowers. **Each,** 60c.

—**Vesta.** 2½ ft. July. Dr. Stout. Deep orange flowers with a glistening gold sheen. **Each,** $1.25;

—**Wau-Bun.** 3 ft. June-July. Dr. Stout. Large flowers of light cadmium-yellow sprinkled fulvous red, abundantly gold-glistening. **Each,** $3.00.

Other Hemerocallis

—**Aureole.** 3 ft. May-June. Deep orange-yellow with bronze reverse.

—**Dr. Regel.** 1½ ft. Rich orange-yellow. May and June.

—**Flava.** 3 ft. June. Clear yellow, very fragrant.

—**Florham.** 3 ft. Like Flava but blooms a month later.

—**Fulva Kwanso Fl. Pl.** 3 ft. July-August. Orange shaded crimson, double.

—**Sovereign.** 2 ft. May-June. Soft chrome-yellow, shaded brown on the outside, fragrant.

—**Thunbergi.** 3 ft. July. Fragrant golden yellow. **Plants,** any of above, 3 for 65c; doz., $2.00.

—**Hemerocallis Collection No. 79.** One each of the 7 varieties above for $1.40.

HEUCHERA (Coralbells)

From a tuft of heart shaped leaves, graceful flower stalks rise bearing flowers in clusters.

×**New Hybrids.** All shades of red and coral pink. **Plants,** 3 for $1.00; doz., $3.50.

MERTENSIA (Blue Bells)

A lovely plant for the shade.

×**Virginica.** May-June. Light blue. 18 in. 3 for 65c; doz., $2.00; 100, $10.00.

MYOSOTIS (Forget-me-not)

×**Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. 3 for 85c; doz., $2.50; 100, $15.00.

PLATYCODON (Chinese Bell Flower)

They flower from June to Sept.

—**Grandiflorum.** 1-2 ft. Large, handsome, deep blue flowers. 3 for 65c; doz., $2.00. **Seeds,** pkt., 10c.

PAPAVER (Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders.

—**Beauty of Livermore.** 3 ft. Crimson with dark blotch, stout stems. 50c; 3 for $1.25; doz., $4.00.

—**Jeannie Mawson.** 2½ ft. Charming geranium pink, large flowers on stiff stems. 50c; 3 for $1.25; doz., $4 00.

—**Joyce.** 4 ft. A tall cherry red poppy of medium size to glorify the spring border. 50c; 3 for $1.25; doz., $4.00.

—**Mrs. Perry.** The best known pink poppy. Delicate salmon-rose with black blotches. 35c; 3 for $1.00; doz., $3.50.

—**Olympia.** Double rich scarlet. A striking introduction. Very free blooming, flowers come ten days before other varieties. 50c; 3 for $1.50; doz., $5.00.

—**Royal Scarlet.** Old fashioned scarlet Oriental Poppy. 30c; 3 for 85c; doz., $2.50.

PRIMULA (Primrose)

Blossoming in April and May, in plantings along shady paths or in the rock garden.

×**Veris, Mixed.** 6-9 in. The Oxlip or Polyanthus, bearing bright flowers in umbels. 3 for 85c; doz., $2.50. **Seeds,** pkt., 15c.

×**Veris Kleynii.** Heavy stems. Carrying immense heads. Rich golden yellow shaded apricot towards center. 3 for $1.00; doz., $3.50. **Seeds,** pkt., 50c.

PYRETHRUM (Painted Daisy)

These are of great value for cut flower purposes.

—**Roseum, Single Mixed.** June. 1½-2 ft. 3 for 65c; doz., $2.00. **Seeds,** pkt., 10c.

—**James Kelway.** Blood-red. 3 for 85c; doz., $2.50. **Seeds,** pkt., 25c.

—**Uliginosum.** 4 ft. A hardy white daisy flowering in September. 3 for 85c; doz., $2.50. **Pkt.,** 15c.

SALVIA (Sage)

—**Azurea Grandiflora (Meadow Sage).** Sept.-Oct. Deep blue. 4 ft. 3 for 65c; doz., $2.00. **Pkt.,** 15c

SCABIOSA (Pincushion)

Long blooming hardy perennial, much prized for cut flowers, tidy and compact in growth.

—**Caucasica.** 18 in. Light lavender blue flowers on long stems. June to Oct. 3 for 85c; doz., $2.50. **Seeds,** pkt., 15c.

SEDUM

Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country.

×**Acre. (Golden Moss.)** 3 in. May-June. Bright yellow. **Seeds,** pkt., 25c.

×**Album.** 3 in. Thick waxy foliage, white flowers. July.

×**Sexangulare (Hexagon Stone Crop).** Dark green foliage, yellow flowers. May-June.

×**Sieboldii.** 4 in. Round succulent, glaucous foliage; pink flowers. August. 3 for 85c; doz., $2.50.

×**Spectabile, Brilliant.** June-July. Deep rose. 18 in.

×**Spurium.** Pink flowers. 4 in.

Price all Sedums, except as noted, 3 for 65c; doz., $2.00; 100, $12.00.

TRILLIUM (Wake Robin)

—**Grandiflorum.** 12 in. Beautiful native spring-flowering perennials. White flowers with three petal-like segments. Splendid for naturalizing in moist shaded places. 3 for 50c; doz., $1.50; 100, $10.00

TROLLIUS (Globe Flower)

Globe flowers of bright orange or yellow, and finely cut leaves, make this a desirable subject.

—**Ledebouri.** 2 ft. Orange flowers. 3 for $1.00; doz., $3.50. **Seeds,** pkt., 50c.

—**New Hybrids.** 2-3 ft. May-July. Grown from selected seed of the best named varieties. 3 for $1.25; doz., $4.00.

VINCA MINOR (Grave Myrtle)

Valuable for a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. 3 for 65c; doz., $2.00; 100, $10.00.

VIOLET

×**Prince of Wales.** Hardy violet, grows anywhere Large single fragrant purple blooms. 3 for 85c; doz., $2.50.

×**Rosina. New.** This charming variety has an abundance of very fragrant, rose pink flowers. It also blooms more freely in Autumn than other varieties. Extremely hardy. 3 for $1.00; doz., $3.50

Hardy Phlox

Africa. Carmine red with darker eye. Large trusses. 3 for $1.00; doz., $3.50.

Augusta. U. S. Plant Patent No. 252. Brilliant cherry red. Each, 50c; doz., $4.50.

Baron Von Dedem. Brilliant orange scarlet with carmine eye. 3 for 85c; doz., $2.50.

B. Comte. Wine purple of satiny sheen. 3 for $1.00; doz., $3.50.

Border Queen. Dwarf with massive heads of water-melon pink. 3 for $1.50; doz., $5.00.

Brilliant. Blood red. 3 for $1.00; doz., $3.50.

Champs Elysee. Dark purple. 3 for 85c; doz., $2.50.

Columbia. New. Patented. Cameo pink, faint blue shading at center. 3 for $1.10; doz., $3.30.

Daily Sketch. New. Big trusses, salmon pink with crimson eye. 3 for $1.50; doz., $5.00.

E. I. Farrington. New. Large trusses of delightful salmon shade with lighter eye. 3 for $1.50; doz., $5.00.

Emain Macha. New. Dark flaming red. 3 for $1.50; doz., $5.00.

Enchantress. Bright salmon pink with lighter center. 3 for $1.00; doz., $3.50.

Europa. Large white florets with faint red center. 3 for 85c; doz., $2.50.

Feuerbrand (Fireglow). Bright scarlet, tall with large heads. 3 for $1.25; doz., $4.00.

Flora Reidy. Pure white. 3 for 85c; doz., $2.50.

Goliath. Bright carmine flowers, shaded light purple. 3 for 85c; doz., $2.50.

Graf Zeppelin. Paper white flowers with vermillion red eye. 3 for $1.00; doz., $3.50.

Leo Schlageter. New. Outstanding vivid scarlet or flame red. Good foliage, large blooms. 3 for $1.50; doz., $5.00.

Mrs. Jenkins. Early free flowering white with large panicles of bloom. 3 for 85c; doz., $2.50.

Mrs. Milly Von Hoboken. Bright pink, faint mauve suffusion. 3 for $1.00; doz., $3.50.

PHLOX "COLUMBIA"

Mrs. Scholton. Dark salmon pink, very large flowers. 3 for $1.00; doz., $3.50.

Miss Lingard (Suffruticosa). Pure white; the earliest of all. Blooms, good for cut flowers. 3 for 85c; doz., $2.50.

Painted Lady. Pale pink with dark red eye. An outstanding variety. 3 for 85c; doz., $2.50.

Rheinlander. A rare shade of salmon pink intensified by a claret red eye. 3 for 85c; doz., $2.50.

Rosalinda (Suffruticosa). Early flowering. Soft Amaranth pink flowers. A distinct novelty. 3 for $1.00; doz., $3.50.

Starlight. New. Bright mauve with star-shaped white center. 3 for $1.00; doz., $3.50.

Thor. A splendid variety of a lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. 3 for 85c; doz., $2.50.

Von Hochberg. Large size blood red blooms. 3 for $1.50; doz., $5.00.

Mixed. 1-year field-grown plants of a choice mixture of colors. Un-named varieties. Our selection. 3 for 65c; doz., $2.00; 100, $12.00.

Special Offer No. 29. One each of 10 varieties, our selection from above. All labeled for $2.25.

Dwarf and Alpine Phlox

×**Amoena** (Lovely Phlox). Charming native variety, bright pink flowers, 6 in. April-May. 3 for 85c; doz., $2.50;

×**Divaricata Canadensis.** Blooms early in April, with large, fragrant, lavender flowers on stems 10 inches high. 3 for 65c; doz., $2.00; 100, $12.00.

×**Subulata Alba.** A compact mass of elegant prostrate foliage, dainty white flowers in May; height 4 in. 3 for 65c; doz., $2.00; 100, $12.00.

×**Subulata Atro-Purpurea.** 4 in. A new variety. Dwarf compact foliage, dark purple-red flowers in May. 3 for $1.00; doz., $3.50.

Subulata Brittoni. Valuable California species, recommended for hot dry locations. Starry white flowers, compact foliage. 3 for $1.00; doz., $3.50.

×**Subulata Lilacena.** Moss-like foliage, pale lilac blooms in May. 3 for 65c; doz., $2.00; 100, $12.00.

×**Subulata Mrs. G. F. Wilson.** Compact growth, heavy bloomer. Lavender pink flowers in May and in the fall. 3 for 85c; doz., $2.50.

Subulata Pink Cushion. New. More compact, more free flowering and a clearer pink than Rosea. 3 for $1.00; doz., $3.50.

×**Subulata Rosea.** Same as above, but dainty pink flowers. 3 for 65c; doz., $2.00; 100, $12.00.

Annual Flower Seeds for Fall Sowing

WHEN you sow seeds of annuals in Fall, you imitate Nature's method. Practically all hardy annuals will produce stronger, sturdier plants with earlier bloom by this method. Even when spring sowing is desirable, experienced gardeners also sow in fall because they then have a continuous season of bloom. Also, they can sow at their leisure instead of trying to plant everything in a few short weeks. Do not be in too much of a hurry to sow. The ideal time is just before the ground freezes for the winter. November 15th is early enough in normal seasons in the vicinity of Chicago and New York. If the ground has been prepared in advance, sowings can also be made during winter thaws.

A fine seed bed is desirable. No covering of any kind is needed unless there is danger of washing or from birds, in which case a light, loose covering of evergreen boughs can be used. Plant at half the depth used when sowing seed in spring. Broadcast all small seed. South of the Mason-Dixie line, sowing should be delayed until the late February and early March thaws.

Pansies and Violas must be sown as early as September 1st, but should then be protected with straw or glass sash during the winter.

FALL-SOWN ANNUAL FLOWERS BLOSSOMING IN SEED-BED AT VAUGHAN'S NURSERY

171 **Adonis.** Autumnalis (Red Chamomile). 2 ft. Finely divided foliage, flowers rich scarlet. Pkt., **10c.**

230 **Agrostemma.** Coeli Rosa (Rose of Heaven). A good cut flower. Pkt., **10c**; ¼ oz., **25c.**

255 **Alyssum.** Vaughan's Little Gem. Snow-white carpet plant. Pkt., **10c**; ¼ oz., **25c.**

310 **Anchusa.** Capensis (Summer Forget-me-not). Flowers beautiful blue. Pkt., **10c**; ⅛ oz., **15c.**

425 **Antirrhinum.** (Snapdragon). Vaughan's Special Mixture. Pkt., **15c**; ⅛ oz., **25c.**

1170 **Cacalia.** (Tassel-flower.) Mixed. Brilliant scarlet and yellow flowers. Pkt., **10c**; ⅛ oz., **25c.**

1190 **Calendula.** Orange King. Showy double orange flowers. Pkt., **10c**; ¼ oz., **25c.**

1245 **Calliopsis.** Vaughan's Special Mixture. Graceful cut flower. Pkt., **10c**; ¼ oz., **30c.**

1260 **Candytuft.** Giant Hyacinth-Flowered White. Large bold spikes. Pkt., **10c**; ¼ oz., **25c.**

VAUGHAN'S
NEW SUPER-DOUBLE CENTAUREA

1506 **Blue Boy.** The true corn-flower blue.

1509 **Snowman.** Pure white.

1507 **Pinkie.** Lovely true pink.

1508 **Red Boy.** Deep glowing red.

Above, Each Pkt., **15c**
One packet each, 4 pkts., **50c**

1535 **Centaurea.** Cyanus (Bachelor's Button). Vaughan's Special Mixture. Pkt., **10c**; ¼ oz., **25c.**

1700 **Chrysanthemum.** Vaughan's Special. Double and Single Mixed. Pkt., **10c**; ¼ oz., **25c.**

1790 **Clarkia.** Vaughan's Special Mixture. Fine for cutting. Sow thin. Pkt., **10c**; ⅛ oz., **25c.**

1870 **Collinsia.** Mixed. 18 in. Brightly colored and excellent for growing in clumps. Blooms early and prefers a dry situation. Pkt. **10c.**

1950 **Cosmos.** Early Flowering Mammoth Mixed. For cutting and borders. Pkt., **10c**; ¼ oz., **20c.**

2015 **Cynoglossum.** Amabile (Chinese Forget-Me-Not). 18 to 24 in. A lovely plant producing large sprays of brilliant blue Forget-Me-Not like flowers. Pkt., **10c**; ¼ oz., **25c.**

2305 **Dianthus Pinks.** Vaughan's Special Double and Single Mixture. Pkt., **10c**; ¼ oz., **30c.**

2415 **Escholtzia.** California Poppy. Vaughan's Special Mixture. Pkt., **10c**; ¼ oz., **30c.**

2435 **Euphorbia.** Variegata (Snow on the Mountain). For mixed bouquets. Pkt., **10c**; ¼ oz., **25c.**

2532 **Gilia.** Capitata (Blue Thimble Flower). 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Pkt., **10c**; ¼ oz., **25c.**

2587 **Godetia. Many Sorts and Colors Mixed.** An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil. Pkt., **10c**; ¼ oz., **25c.**

2680 **Gypsophila.** Elegans Grandiflora Alba. London Market strain (Angel's Breath). Use for graceful effect with cut flowers. Pkt., **10c**; ½ oz., **20c.**

2860 **Hunnemannia.** Fumariaefolia. (Bush Escholtzia.) Golden yellow. Pkt., **10c**; ¼ oz., **25c.**

Larkspur Giant Imperial (Base Branching). These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

2151 **Blue Bell.** A fine medium blue.

2152 **Carmine King.** Deep carmine rose.

2153 **Daintiness.** Delicate lavender.

2155 **Exquisite Pink Improved.** Soft pink.

2168 **White Spire.** Dazzling pure white.

2159 **Giant Imperial Mixed.** The above and others.

Price, any of the above: Pkt., **15c**; ¼ oz., **40c**; oz., **$1.40.**

2170 **Larkspur.** Vaughan's Special Annual Mixture. Pkt., **15c**; ¼ oz., **30c.**

3039 **Linaria (Baby Snaps), Fairy Bouquet.** Compact growth, eight inches tall, and with extra large flowers of a great variety of distinct colors. Pkt., **15c**; ⅛ oz., **30c.**

3010 **Leptosyne.** Stillmanii. Pkt., **10c.**

Seeds of Annuals Sown in Our Nurseries November 18 and 19, 1937

	In bloom
Calliopsis	June 25, 1938
Annual Larkspur	June 24, 1938
Lupinus	July 1, 1938
Schizanthus	June 15, 1938
Anchusa	June 25, 1938
Gilia	June 15, 1938
Godetia	June 1, 1938
Poppy	June 25, 1938
Gypsophila	June 15, 1938
Antirrhinum	July 1, 1938
Dianthus	July 1, 1938

3019 **Linum.** Grandiflorum Coeruleum (Blue Flax). Pkt., **10c.**

3105 **Lupinus.** Tall annual mixed. Pkt., **10c.**

3212 **Matthiola.** Bicornis. Evening Scented Stock. Fragrant lilac flowers. Pkt., **10c**; 1 oz., **30c.**

3260 **Mignonette.** Mixed. Pkt., **10c**; ½ oz., **25c.**

3390 **Nicotiana.** Affinis (Sweet-scented Tobacco plant). White. Pkt., **10c**; ⅛ oz., **25c.**

3393 **Nicotiana.** Crimson Bedder. A new dwarf strain, about 15 in. high, admirably suited for bedding purposes. The flowers are of rich deep crimson, freely produced, and make a striking effect. Pkt., **15c.**

3420 **Nigella.** Miss Jekyll (Love-in-the-Mist). A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender cornflower-blue, fine feathery foliage. Pkt., **10c**; ¼ oz., **15c.**

4018 **Petunia.** Rose of Heaven. Brilliant rose with inconspicuous white throat. Pkt., **10c**; ⅛ oz., **35c.**

3995 **Petunia.** Single. Small Flowering. Finest Mixed. ⅛ oz., **25c**; pkt., **10c.**

4101 **Phacelia.** Campanularia. (California Blue Bells.) Pkt., **10c**; ⅛ oz., **25c.**

4370 **Poppy.** Vaughan's Special Shirley Mixed. Beautiful colors in delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Pkt., **10c**; ½ oz., **25c.**

4310 **Poppy.** Vaughan's Special Double and Single mixed. Pkt., **10c**; ½ oz., **25c.**

4691 **Saponaria.** Vaccaria Rose. The light graceful sprays of glistening pink flowers. Pkt., **10c.**

4740 **Scabiosa.** Vaughan's Special Mixed. Pkt., **10c**; ¼ oz., **25c.**

4757 **Schizanthus.** Vaughan's Excelsior Hybrids. Pkt., **25c.**

5635 **Tahoka Daisy.** A beautiful lavender-blue Daisy with fernlike foliage. Carried on good long stems, the flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seed in refrigerator two weeks. Pkt., **25c.**

5813 **Viola Cornuta.** Vaughan's Improved Scotch Pansies. Produces flowers with "faces," the colors range from pale lavender to deep rich purple, many charming intermediate shades. Pkt., **25c.**

5815 **Virginia Stocks.** Mixed. 6 in. These pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors producing a charming effect. Pkt., **10c**; ½ oz., **15c.**

5778 **Viscaria.** Mixed. Produces freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting. Pkt., **10c**; ¼ oz., **25c.**

DELPHINIUM PACIFIC GIANT
(Vetterle and Reinelt)

New Giant Pansies

3892 **Swiss Alpenglow (Crimson Queen).** Rich cardinal and garnet shades. Vivid and attractive. 1/16 oz., **75c.**

3896 **Swiss Berna.** Dark violet blue. 1/16 oz., **75c.**

3891 **Swiss Blue (Ullswater) (Thuner Sea).** A solid blue flower with blue-black blotches. 1/16 oz., **75c.**

3897 **Swiss Delft Blue.** A delightful tone of translucent blue of good size and substance.

3898 **Swiss Fire Beacon.** Bright wallflower red with a touch of orange.

3895 **Swiss Luna.** Light straw yellow.

3900 **Swiss Pure White.** Very free-blooming. 1/16 oz., **75c.**

3899 **Swiss Pure Yellow.** 1/16 oz., **75c.**

3893 **Swiss Yellow (Rheingold).** Rich yellow with blotches on the three lower petals. 1/16 oz., **75c.**
Price, each of above, Pkt., **25c;** 3 pkts. for **65c.**

Improved Swiss Giant Pansy Mixture

3890 The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. Pkt., **25c;** 1/16 oz., **90c;** 1/8 oz., **$1.50;** 1/4 oz., **$2.50;** 1 oz., **$8.00.**

3894 **Vaughan's Super Swiss Mixture.** We have made a special mixture from the strains of three pansy specialists. Many of the flowers are five blotched. All the vivid colors of the type are represented in their enormous wavy and crinkly flowers. Pkt. (250 seeds), **50c;** 1/8 oz., **$1.50.**

3857 **Early Flowering Blue Boy.** Clear, pure, silvery lilac, plants compact and robust, blooms 2¾ to 3½ in. Pkt., **15c.**

3818 **Giant Art Shades.** Distinct colors, including cream, primrose, pale mauve and others, frilled petals. Robust growth, heavy leaves. Pkt., **25c.**

3820 **Giant Coronation Gold.** 1938 All America Award. Canary yellow flushed orange, flowers 3 in., ruffled, spicy scent. Pkt., **50c.**

3907 **Fanal.** A very attractive color, a blend of scarlet-bronze. The flower is of good form, not extra large, but good sized. Pkt., **25c.**

3761 **Baby Delight.** An ideal pansy for spring blooming. Makes dwarf but compact bushy growth with a height of not more than 8 inches. The flower is lovely light blue, with a pleasing "face," about 1 inch in diameter. Pkt., **25c.**

Maple Leaf Giant Pansy Mixture

3792 A distinct variety we introduced several years ago. It is quite different from other types. The leaves are of giant size and the flowers are up to 4 inches across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. Pkt. (250 seeds), **50c;** 1/8 oz., **$1.50.**

3794 **Vaughan's "Super" Maple Leaf Mixture.** Flowers of unbelievable size and texture; in a wonderful color range, larger than in any other strain, while the plants are of compact growth and the extra large foliage is a rich, dark green. Pkt. (250 seeds), **75c;** 1/8 oz., **$2.**

For Complete List of Pansies, See Our Spring Illustrated Catalog.

How to Sow Pansy Seeds

Sow the seeds in a cold frame in light soil without any fertilizer. Cover the seeds very lightly with the same soil and keep moist. Shade the seed bed with cheesecloth or a muslin screen, and as soon as all the plants are up remove the screen. Or you may sow them in a large pot or seed pan.

To be certain of fine, strong Pansy plants, we suggest the following, applying as a top-dressing by the end of March or early April:

2 parts dried blood — 2 parts steamed bone meal — 1 part potash

FALL SOWING OF PERENNIAL SEEDS

Perennial seeds may be sown in the fall in flats or in well prepared seed beds, elevated above the surrounding surface and protected with a wooden curb, or in cold frames. Like annuals so treated, they will germinate early in the spring before the ground could be prepared for spring sowing. After the ground is frozen, the seed bed should be covered with a mulch to keep the frost in and prevent heaving. This treatment is especially good for slow germinating subjects. See pages 24 and 25.

Delphinium

Pacific Giant (Vetterle and Reinelt)

The flowers of this new strain are of immense size, tightly set on five feet, straight "whippy" stems. The flowers do not shatter and the plants are 60 to 65 per cent mildew resistant. An outstanding introduction. Seed sown in September will produce blooming plants next Summer. We offer the Originator's seed in the following colors:

7556 **Dark Blue Shades.**
7557 **Light Blue Shades.**
7558 **Pastel Shades.**
7558A **Mixed (Blues).**
7559 **Pure White.**

Each **$1.00** per packet

Lupins

In a sandy or light woods soil where water can be supplied, the lupins will thrive. Their tall spikes of bloom present a delightful variety of color blending from June to September. 2½ to 3 ft.

8171 **"Russell."** These remarkable lupins are the result of the continuous labor of many years. The spikes of bloom are often 3½ feet and more in length. Flowers are fan-shaped, the standard being expanded like that of a Sweet Pea. The coloring has an enormous range and unique character. Gold Medal award by the R.H.S. 12 seeds, **25c;** 25 seeds, **50c.**

BED OF PANSIES IN ONE OF CHICAGO'S NORTH SHORE GARDENS

Vaughan's Irises

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard or upright curling petals; "F" to falls or drooping petals.

Irises are most effective if planted 3 of a kind in a clump.

★Those indicated by a star are medium priced varieties of outstanding merit and are especially recommended for garden planting.

DYKES MEMORIAL MEDAL. This is an award made annually in America, France and England for the best Iris of the year.

As soon as German iris plants are received, plant them in a sunny, well drained place. Each plant should have at least eighteen inches clear space from other irises, as it will grow in a circle and many varieties spread rapidly. The rhizome, or fleshy root stock from which the leaves and roots grow, should be barely covered with soil, with the roots properly spread below, and the soil well firmed about them. Until the plant is established, give it frequent attention, watering in dry spells In the first winter, after the ground has frozen, a light mulch to prevent thawing and heaving will be beneficial.

New, Outstanding Varieties

★Alta California. 48 in. Superb flowers of deep golden yellow, faintly bronzed, on strong branched stems. Blooms of firm texture, unmarred by sun or rain. An extra fine new yellow and hardy everywhere. **50c.**

Baldwin. 40 in. Finely formed flowers of a uniform manganese violet color. A Sass variety of gigantic size and outstanding quality. **30c.**

★Black Wings. 38 in. Velvety black buds opening to large flowers of intense midnight blue overlaid with a frosty black luster. A striking variety that is easily grown and deliciously fragrant. **50c: 3 for $1.25.**

Blue Triumph. 42 in. A magnificent iris, considered the finest light blue yet introduced. The flowers are very large and flaring and of heavy substance, with smooth velvety finish. Huge stalks, carrying from 12 to 15 flowers widely set apart. **$3.00.**

Blue Velvet. 46 in. A clear, beautiful, very dark blue self, the color of the richest shade of deep blue velvet. A superb flower of large size and heavy substance. **30c; 3 for 75c.**

Buechley's Giant. 40 in. This new variety has the largest flowers of any Iris we grow. It is a clear lavender blue bi-color that has the perfect form of Freida Mohr. Will create a sensation in any garden. **40c.**

Chromylla. 40 in. These large, beautifully shaped flowers of chrome yellow have the smooth finish and texture of a magnolia blossom. One of our most satisfactory yellows. **50c.**

Clara Noyes. 38 in. A brilliant blending of red, orange and yellow that is not unlike the coloring of the Talisman Rose. Entirely different from all other Irises, it creates a sensation wherever shown. **35c; 3 for 75c.**

Coralie. 38 in. Winner of Dykes Medal for 1933. A vividly colored blend of pink and red that approaches a soft raspberry color in effect. Unusually lovely flowers of fine form. **$2.00.**

Crystal Beauty. 40 in. Large, perfectly shaped flowers of pure, snow white on well branched stalks. Said to be the whitest white of all Irises. **$2.00.**

Dauntless. 40 in. One of the brightest red Irises introduced. A brilliant rose red self with flaring falls that appear darker because of their velvety quality. A Dykes Medal winner in 1929. **40c.**

★Depute Nomblot. 50 in. This Dykes Medal Winner of 1930 is a magnificent Iris of greatest vigor; has strong foliage and stout, nicely branched stems. Flowers are of enormous size. S. coppery-red, flushed golden bronze; F. rich claret crimson. The entire flowers seem lightly dusted with gold which sparkles in the sun. **40c; 3 for $1.00.**

Desert Gold. 30 in. An early blooming, fragrant yellow of good form and excellent substance. Very large flowers of soft, luminous yellow, with a brilliant gold beard. **35c.**

Dorothy Dietz. 38 in. A new white bicolor, the largest and finest yet introduced. S. open light chicory blue changing to white; F. deep pansy violet. **30c.**

El Capitan. 40 in. Huge flowers of light violet-blue. A magnificent variety that is wanted by everyone that sees it. A bloom exhibited at the New York show last year measured 7 inches across and 9 inches high. **35c; 3 for 75c.**

Ethelwyn Dubuar. 38 in. Very fine large flowers of deep pink without the objectionable magenta; lemon beard. **65c.**

Eros. 38 in. An exquisitely colored Iris of salmon-pink with a soft yellow haft and beard. The flowers are of a silky texture and are very fragrant. Vigorous grower. **$2.00.**

★Grace Sturtevant. 36 in. One of the richest colored and showiest of all Irises. Standards dark red-brown with darker, rich velvety falls, almost black at the tips. Brilliant orange-red beard. **35c.**

Gudrun. 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat. Very fine. **$1.50.**

Happy Days. 40 in. An immense clear yellow most easily described as a yellow El Capitan. Perfectly branched, with each stalk carrying 7 or 8 massive blooms. Destined to become one of the most popular Irises in America. **$3.00.**

Helios. 44 in. An enormous, luminous, lemon yellow Iris with delicate rose-purple linings on the falls. A very fine vigorous growing and free-flowering variety. **35c; 3 for 90c.**

Hermene. 40 in. An unusually fine garden variety with large blooms of heavy satiny texture. A tall deep pink blend with a golden center. **30c.**

Imperial Blush. A beautiful large blush pink with 40-in. branching stalks. Delightfully fragrant; free flowering. **75c.**

Joycette. 42 in. Huge flowers, 6 to 6½ inches, that are a rich blazing red in the sun. Form excellent and substance heavy. Usually has 3 or 4 blooms open at once. **$1.25.**

Jean Cayeux. 38 in. Dykes Medal 1931. This Iris is a masterpiece. A beautiful blending of coffee or Havana brown with a golden glint that is enchanting. The flowers are of perfect shape and are borne over a long season on splendidly branched stalks. No variety quite like this one. **$1.50.**

King Juba. 36 in. A brilliant, large flowered variegata of striking appearance. S. pure clear yellow; F. wide, deep velvety red. **30c.**

King Tut. 34 in. S brown suffused with red; F. velvety glowing brownish-red. Large flowers of beautiful coloring. **30c; 3 for 75c.**

★Los Angeles. 40 in. Giant, snowy-white flowers of satin texture; the standards faintly edged lavender blue. Perfectly hardy, it is considered one of the finest of all white Irises. We think it is just about perfect. **35c; 3 for 75c.**

★Mary Dynes. 36 in. Large, dark red bi-color that has a flush of gold in the standards; very late. Good grower and prolific bloomer. A very beautiful new variety. **75c.**

★Mary Geddes. 38 in. Dykes Medal for 1936. S. salmon flushed yellow; F. same shade overlaid Pompein red. Garden effect orange salmon. Its widely branched stalks carry 8 to 10 flowers of long lasting qualities. One of our finest varieties. **$1.00.**

No-we-ta. 35 in. A beautiful, true pink self in effect with yellow flushes at the center. The whole flower is softly frilled. An exquisite Iris and a fine garden variety. **50c.**

Pacific. 36 in. A beautiful, deep pure blue of good substance and garden effect. Blooms early and continues for a long time. Very fine. **35c.**

★PinkSatin. 42 in. Large, finely shaped flowers of a very delicate and smooth, yet glistening pink. The most outstanding of all the American pink Irises. **50c; 3 for $1.00.**

Red Dominion. 40 in. S. clear lustrous, deep red, slightly frilled. F. broad, horizontal, velvety red. A glowing ox-blood red. An outstanding variety. **50c.**

★Sensation. 48 in. Enormous corn-flower blue flowers of perfect form and heavy substance. A perfect flower, the standards beautifully arched, the falls flaring and the stems tall and sturdy. **30c; 3 for 75c.**

Sierra Blue. 48 in. Dykes Medal 1935. Enormous flowers of soft clear, enamel-like blue, reminding one of the blue of the Sierra mountains. It has widely flaring falls, good substance, and a refined finish and graceful form that is really exceptional. Of tall, stately, habit, it carries many buds to the stalk. **$1.25.**

★Sir Michael. 48 in. A striking Iris, considered by many the finest blue bicolor. S. opalescent lavender-blue; F. rich deep velvety purple; brilliant red gold beard. A magnificent grower with strong widely branched stems. **35c.**

★VenusdeMilo. 40 in. A Dominion seedling of pure white with a rich creamy tone. Its large flowers are of exceptional substance and have the perfection of form and grace that the name indicates. **50c; 3 for $1.25.**

De Luxe Iris Collection. One each Alta California, Black Wings, Depute Nomblot, Los Angeles, Mary Geddes, Pink Satin, Sensation and Sir Michael. (Value $3.90) for $2.95.

Twenty Finest Irises

Price of the following, except where noted. Each 20c. 3 of one kind for 30c. (Note, we cannot supply 3 different kinds for 30c.)

★Ambassadeur 40 in. S. smoky bronze; F. dark velvety maroon. A strong grower with large flowers Late.

Asia. 45 in S. pale silvery lavender deepening at the base to golden yellow. F. pale reddish purple, lighter at the edges. Flowers exceptionally large. Late. **25c; 3 for 50c.**

Cameliard. 48 in. S. amber yellow; F. yellow flushed light purple and bordered yellow. Vigorous and free flowering; late. **25c.**

★Cinnabar. 42 in. A beautiful large flower of perfect form and deep, rich velvety red-purple tone. Very floriferous. **25c; 3 for 50c.**

★Coronation. 40 in. A brilliant, deep golden yellow of fine form and substance; profuse bloomer. **25c; 3 for 50c.**

★Dolly Madison. 38 in. A most outstanding blend of colors. S. mauvette shading to yellow at base; F. flaring, lilac tinged old gold. **25c; 3 for 50c.**

Golden Glory. 36 in. A medium toned yellow self. S. pinard yellow deepening to lemon chrome at the base. F. baryta yellow.

★Gold Imperial. 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. A fine Iris of rare texture.

★Imperator. 40 in. A large red toned Iris. S. reddish violet tinted buff; F. deeper shade. Flowers of excellent form borne on strong stems.

King Karl. 27 in. The best liked plicata blend. S. light pinkish cinnamon, beautifully ruffled; F. cream, sprinkled purple. **25c; 3 for 50c.**

Labor. 36 in. An extraordinary Iris of new color. S. dark violet heliotrope suffused with a coppery glow; F. deeper shade. **25c; 3 for 50c.**

★Midgard 36 in. An exquisite Iris with ruffled petals that are a combination of soft yellow, pink and rose. **25c; 3 for 50c.**

★Nightshade Dark purple self on wide branching stems. Gives an abundance of bloom. **25c; 3 for 50c.**

★Princess Beatrice. 40 in. A selected form of Pallida Dalmatica, one of the finest of all Irises. Silvery lavender flowers of satiny texture and good substance, flaring falls. **25c; 3 for 50c.**

Queen Caterina. 40 in. Pale lavender violet with a smooth iridescent sheen and bright orange beard. A beautifully colored Iris.

Seminole. 30 in. S. soft violet-rose; F. velvety crimson. Outstanding bright color.

Taj Mahal. 38 in. A very fine white of good shape and great substance borne on tall, well-balanced stalks. **25c; 3 for 50c.**

Trostringer. 36 in. A very lovely soft-pink-toned variety that might be described as a white flushed apple blossom pink. **25c; 3 for 50c.**

Vesper Gold. 42 in. A distinct yellow suffused with violaceous reflections. Bright orange beard. Strong growing. Late. **25c.**

Tenebrae. 36 in. A richly colored Dominion seedling S. deep violet-purple; F. velvety black-purple large finely formed flowers.

Standard Varieties

We have a large collection of these in named varieties in all colors. List of varieties mailed on request. Price, 3 of one kind for 30c; 12 of one kind for $1.00.

Surprise Iris Collection. Twelve beautiful varieties in a rainbow of colors, our selection (value $2.40) labeled for only $1.00.

WM. MOHR

Twelve Iris Aristocrats $2.00

Catalog Value $3.30. Prepaid 300 Miles For

These are among the fifty finest irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

★Frieda Mohr 42 in. A gigantic pink, 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring. Exquisite locust-like perfume. **25c; 3 for 50c.**

★Morning Splendor 40 in. A fine American introduction that has been awarded three medals. S. Petunia-violet; F. rich raisin-purple. The flowers are large, and fragrant. Late. **25c; 3 for 50c.**

★Mrs. Valerie West. 42 in. A world famous Iris. Considered the best of the Dominion Seedlings. S. bronze flushed with lavender; F. massive and flaring, deep velvety crimson brown. Exceedingly large flowers. **35c; 3 for 75c.**

★Pluie d'Or (Golden Rain). 40 inch. Dykes Medal 1928. Probably the best pure golden yellow self yet introduced. A large flower of perfect form and a profuse bloomer. Late. An outstanding variety. **25c; 3 for 50c.**

★President Pilkington. 46 in. Very large Iris of excellent form and glorious blend. S. pale buff with a faint bluish suffusion; F. wide and flaring, lavender blue with a buff suffusion. Extra fine. **50c; 3 for $1.00.**

★Indian Chief 40 in. Every garden should have this fine red. S. pinkish red; F. glowing velvety red. Large well-shaped flowers of heavy substance. A prolific bloomer and strong grower. **25c; 3 for 50c.**

★Rameses. 36 in. Dykes Medal 1932. A large blend of russet rose, pink and buff with a yellow glow at the center; large apricot beard. A vigorous healthy grower and free bloomer. Attracts immediate attention wherever shown. **35c; 3 for 75c.**

★Santa Barbara. 40 in. A gigantic light blue self of perfect form with flaring falls. An outstanding variety and one of the finest of its color. **25c; 3 for 50c.**

★Souv. de Mad. Gaudichau. 40 inch. This is without a doubt the most beautiful of all the deep purple Irises. Large flowers of rich velvety purple. **25c; 3 for 50c.**

★Susan Bliss 42 in. Exquisite flowers of a uniform deep rose pink, with a light orange beard. Tall and very free flowering. **25c; 3 for 50c.**

★True Charm Its fine large flowers are a sparkling white with the margins delicately etched lavender blue. A strong grower with good foliage. Fragrant. **25c; 3 for 50c.**

★Wm. Mohr. 26 in. One of the most remarkable Irises ever raised. The ground color is pale lilac, the standards flushed darker, and the whole flower is beautifully veined manganese-violet. The plants are small, but the blooms are simply immense. **35c; 3 for 75c.**

Dwarf Irises

Price, any of the following except where noted, 25c each; 3 of one kind for 40c.

Cristata (Crested Iris). Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden.

Pumila Hybrida. Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.

★Dixmude. S. aniline blue; F. rich crimson-purple. **20c; 3 for 30c.**

★Orange Queen. Clear deep yellow with orange beard.

★Schneekuppe. Fragrant white.

Fall Blooming Irises

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

★Autumn King. 30 in. A blue-purple bicolor of fine size and shape. **20c.**

Autumn Queen. 18 in. Pure white flowers of good size and quality. **25c.**

Eleanor Roosevelt. 28 in. An outstanding variety of very fine deep velvety red-color. Profuse bloomer twice a year. **35c.**

Golden Harvest. 18 in. The first yellow fall bloomer. S. olive yellow bluish at the haft; F. citron yellow. **50c.**

Jean Siret. 15 in. A dwarf yellow of exceptional merit. Gives a long season of bloom in both the spring and fall and often blooms in the summer. Is classed as an everblooming Iris. **35c.**

Lieutenant de Chavegnac. 15 in Deep red violet with the same everblooming habits as Jean Siret. **35c.**

★Ultra. 14 in. A beautiful ultramarine blue bicolor. Very popular variety. **25c, 3 for 50c.**

Siberian Irises

The most delicate and elegant of all small flowered Irises. They grow on tall stems, have graceful, grass-like foliage, and are excellent for cutting. Always ornamental.

Price, except where noted, 25c; 3 of one kind for 50c.

Butterfly. 36 in. Lovely porcelain blue flowers; vigorous grower.

★Emperor. 48 in. Large flowers of a deep, rich violet-blue. Very fine.

George Wallace. 46 in Azure-blue, F. marked white. Very popular. **3 for 30c.**

★Perry's Blue. 48 in. Large, well formed flowers of a beautiful shade of sky-blue. One of the most popular and finest of Siberian Iris.

Orientalis. 24 in. Rich deep purple. Fine for naturalized plantings. **3 for 30c.**

Snow Queen. 30 in. Large, ivory white with rich yellow blotch at the throat.

Mixed Seedlings. **3 for 30c; 12 for $1.00.**

Japanese Irises

(Kaempferi)

The last of the Iris species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

★Gold Bound. Double. White with gold-banded center. Earliest to bloom.

Iso- No-Nami. (Shallow Waves). Suffused rose and blue over white; gold center. One of the largest flowered and the latest to bloom. Double. Each, **50c.**

Kumochi-Guma. A very full double of dark purplish indigo. Mid-season.

★Mahogany. Large double flowers of velvety-mahogany red. Late.

★Momigi-No-Taki. (Maple Waterfall). Bright rosy crimson feathered in white. Double.

★Purple and Gold. An enormous double of rich violet-purple with gold center.

Seacrest. Six large wavy white petals with a deep blue haft.

Uchiu. Cerulean blue, veined white; gold center. Blooms a long time. Double.

Price of above except where noted, each 35c; 3 of one kind for $1.00.

Mixed Seedlings. 3 for 30c; 12 for $1.00; clumps, each, 35c.

Special Offer No. 29-A One each of above 8 named Japanese Irises (Value $2.95) for $1.95.

The Beardless, Japanese and Siberian Irises, unlike the Bearded Irises, prefer an acid soil and deep planting (about 2 inches). Peat Moss is excellent to use in the beds in which they are planted.

Special Offer No. 29-C Two Months of Bloom. Two each Dwarf Iris, Fall Blooming Iris, Siberian Iris, Beardless Iris, Japanese Iris and four Tall Bearded Iris, all different varieties, our selection, labeled, 14 Irises (Value $3.85) for $2.25.

New Japanese Irises

Eleanor Parry. Double. Claret-red flowers, flamed white and blue. **60c.**

Kamata. Single, dark velvety sky-blue with white veins; excellent. **60c.**

Norma. Exquisite silky lavender-pink with clear blue halo surrounding a yellow blotch at center. Fine large double, **75c; 3 for $2.00.**

Oriole. Double. Lovely plum shading to deep plum. **60c.**

Rose Anna. Ivory-white with heavy ruby-red veins; center yellow; stigmas dark plum. A fine double. **50c.**

Violet Beauty. Single. Velvety pansy-violet with conspicuous yellow center. Very large flowers. A free blooming variety. **50c.**

Special Offer No. 29-B One each of above 6 new Japanese Irises (value $3.55) for $2.25.

Various Beardless Irises

Most of these varieties bloom after the German Irises are gone and before the Japanese Irises open.

Dichotoma (Vesper Iris). Dainty blue flowers beautifully marked, that open in the afternoon. Blooms profusely during the month of August. **50c; 3 for $1.00.**

Dorothea K. Williamson. 33 in. A rich velvety royal purple flower of intense color. One of the finest beardless Irises. Plant in moist, well-drained soil. **35c.**

Fulva. 18 in. An interesting species with beautiful coppery red flowers in middle June. Very unusual. Likes semi-shade. **50c.**

Lord Wolseley. 40 in. Large, handsome flowers of blue-purple color. Very hardy and vigorous. One of the best. **50c.**

Monnieri. 48 in. Handsome, rich golden yellow flowers of excellent form. Prefers a moist situation. **50c; 3 for $1.00.**

Ochroleuca Gigantea. 60 in. A giant form of Ochroleuca with large ivory white flowers marked yellow at the throat. Long slender foliage. **50c.**

Pseudoacorus (Common Yellow Water Flag). 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. **25c; 3 for 50c.**

Versicolor (Common American Water Flag). 24 in. Showy violet-blue remaining in bloom for a long time. Good for waterside plantings. **25c; 3 for 50c.**

We have a large collection of Iris. Ask for a complete price list.

FELIX CROUSSE

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade in single clumps or long beds; or bordering lawns, shrub rows, and drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies; they require just as much care as the better kinds, and are disappointing in the end.

Planting. Peonies may be planted from September first until May. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming, 2 or 3 inches of soil over the crown (eyes) being sufficient. We offer **Divided roots,** natural divisions, having 3 to 5 eyes of blooming size.

The figures following the varieties are the rating given to them by the American Peony Society, based on a scale giving 10 points for perfection.

Feeding. Peonies in established plantings need to be fed each Spring. A top dressing of Vaughan's Balanced Ration (5-8-7) well worked in will do wonders, but it should be applied early.

Roots by Parcel Post.—If to be sent by parcel post, add postage as follows: Single roots, 8c; two roots, 12c; 3 roots, 16c.

★Varieties indicated by star are of outstanding merit and are especially recommended by us for garden planting.

AMA-NO-SODE

Light and Dark Pink and Rose

★Claire Dubois (8.7) Very large, double, globular flowers; color rich clear satiny pink, with glossy reflex. Late midseason. **75c.**

★Edulis Superba (7.6) Usually blooms on Decoration Day. Bright clear mauve-pink, with silvery reflex. Large and fragrant, considered underrated. **40c.**

Edwin C. Shaw (9.1) Large, cup-shaped flowers of clear shell-pink on strong stems. Very lovely and deliciously fragrant. Late midseason. **$1.50.**

★Georgiana Shaylor (8.9) Large, flat, pale rose-pink with a few flecks of crimson. Strong grower and midseason bloomer. **$1.00.**

Hansina Brand. (9.1) A flower of beautiful form and really giant size. Color deep flesh pink, shading darker at the base of the petals with a salmon reflex. Resembles Solange but has a better stem and flowers that always open. Late. **$3.50.**

Lady Alexandra Duff (9.1) Enormous, loosely built flowers of pale blush pink with yellow stamens. Very showy and beautiful. Midseason. **75c.**

La France (9.0) Soft appleblossom-pink. Very large, fragrant flowers of unusual crepe-like texture. Late midseason. **75c.**

La Lorraine. (8.6) Enormous globular blooms of creamy-white, overlaid with soft pink. A beautiful flower that ranks with Le Cygne and Solange in the show room. Midseason. **$1.50.**

★Mad. Emile Galle (8.5) Large, flat flowers of delicate shell-pink with touches of heliotrope and lavender. Exquisite fragrance; late. **50c.**

Martha Bullock (9.1) Immense flowers of bright old-rose-pink that are often 9 to 12 inches in diameter. Very tall, fragrant; late. **$1.00.**

Milton Hill (9.0) Clear pink overlaid with sheen of delicate lilac. Very large bloom; excellent for cutting; late. **$1.00.**

Minamota An unusual flower, semi-double, of a vivid rose-pink with a mass of yellow stamens interspersed through the center. **$1.00.**

★Mons. Jules Elie (9.2) By many considered most beautiful of all Peonies. The flowers are an immense ball of imbricated petals incurved like a chrysanthemum; the color a glistening lilac-pink shading to deeper rose at the base, all overlaid with a sheen of silver. Comes into bloom early and is one of our finest varieties for cutting. Very fragrant **75c.**

Myrtle Gentry. (9.1) Immense flowers of perfect rose form and wonderful substance on stiff stems. Color beautiful pink with tints of flesh and salmon. Tea rose fragrance. Late midseason. **$3.00.**

Octavie Demay (8.5) Very large, flat crown, guards and center delicate hydrangea-pink, collar almost white. Very fragrant, very dwarf; Early. **50c.**

★Pierre Duchartre (8.2) Large, compact flowers of a delicate lilac-pink; very fragrant. Late. **75c.**

★Reine Hortense (President Taft) (8.7) One of the finest Peonies in our Nursery. A vigorous, strong grower, a profuse bloomer, and an excellent cut-flower variety, cut blooms lasting a week or more. Its flowers are among the largest of any variety that we grow and the color is a beautiful uniform light pink, center flecked crimson. Midseason. This variety took the first prize for twenty blooms of one variety, light pink, at the 1934 National Peony Show at St. Paul. **75c.**

★Sarah Bernhardt (9.0) This fine variety is one of the largest and best pink Peonies in the world. It is a vigorous grower and a prolific bloomer, carrying its perfectly formed flowers gracefully on tall stems. The color is a dark rose-pink, edged lighter pink; center flecked crimson. An extra good cut-flower variety, it is always found in the winning classes of every show room. Late midseason. Delightfully fragrant. **$1.00.**

Souvenir de Louis Bigot (9.1) Large, convex blooms with fringed petals. Color a brilliant rose, turning to salmon-pink. Midseason. **$1.00.**

★Therese (9.8) A wonderful Peony of perfect habits and with immense, flat blooms of delicate texture. Color violet rose, changing to lilac-white. Early midseason. **$1.00.**

Walter Faxon (9.3) Ranked by Mrs. Harding with Solange and LeCygne as the three finest peonies. "Here is the most delectable hue of pink displayed by any of the peonies outside of the tree peonies," she writes. It is a free-blooming variety and grows strongly. Should be cut and allowed to open in the house where it will last for days in increasing beauty. Midseason. **$1.00.**

White and Light Varieties

Alsace Lorraine (8.8) One of the most charming and beautiful in our collection. Its large flowers borne in clusters, have petals long and slightly cupped, which radiate symmetrically from the center like a water-lily. The color is a rich, creamy white, center delicately tinted Havana brown. A very striking tone similar in effect to the greatly admired Solange. **75c.**

★Avalanche (8.7) A magnificent flower which opens like a rose. Pure white with a few pencilings of carmine. Fragrant; late midseason. **50c.**

★Baroness Schroeder (9.0) One of the finest Peonies in existence. Immense flowers of great substance with high chalice-shaped center. Opens a delicate flesh-white, sometimes a soft baby pink, changing to creamy-white. One of our best cut-flower varieties and an excellent keeper. Flowers held in cold storage as late as September have opened in perfect condition. June rose fragrance, late. **75c.**

E. B. Browning (9.2) Immense flowers of a delicate pink tint, outer petals and center marked crimson. Fragrant; very late. **$1.00.**

Enchantresse (8.9) Large, globular flower on tall, stiff stems. Creamy white with crimson tracings. Late. Fragrant. **75c.**

★Festiva Maxima (9.3) An old variety which Mrs. Edward Harding says, "should be in every garden, large or small, lavishly arrayed or economically furnished." Flowers white, dotted carmine, are often 7 to 8 inches in diameter. Early. **40c.**

★Frances Willard (9.1) A perfectly-formed flower that is found among the winning classes in every show-room. Very large blooms, often having a raised, cup-shaped center inclosing golden stamens. Opens an exquisite blush-white, with an occasional carmine touch, changing to pure white. Of good substance and a fine cut-flower variety. Late midseason. **90c.**

Jubilee (8.9) Extremely large, flat flowers of ivory-white; petals long and narrow, loosely arranged, giving a feathery effect. Early. **75c.**

Kelway's Glorious (9.8) An extremely large flower, full of glistening white petals, the outer edges of which are slightly crinkled and curved inward. Very fragrant. Late midseason. **$2.00.**

La Rosiere (8.3) A dainty peony with rose-like flowers. It should not be disbudded, as sprays of its flowers are charming. It is semi-double, the outer petals pure white at center with a yellowish white border. Midseason. **50c.**

LeCygne (9.9) (The Swan). "One of the three finest peonies," says Mrs. Harding. The curving petals of this magnificent flower are arranged like the feathers on a swan's wing "Symmetrical, globular, of great size, fragrant, free-blooming, and milk-white," continues Mrs Harding, "Le Cygne stands by itself." Has the highest rating of any Peony. Early midseason. **$2.50.**

★Mme. Jules Dessert (9.4) A strong-growing, free-blooming plant, of delicate coloring. When the flower is cut just as the bud unfolds, and is allowed to open in a shaded room, wonderful tints of flesh, straw and white can be seen to perfection. Midseason. **$1.00.**

★Mons. Dupont (8.3) Large, cup-shaped flower; ivory-white. The golden stamens show at the base of the petals; fragrant; midseason. **50c.**

Primevere (8.6) "Finest of the yellow herbaceous peonies and one of the most fragrant," says Mrs. Harding "Striking and ornamental in the garden, it is still more satisfying as a cut flower. Then its color is safely guarded, and its perfume fully enjoyed. Midseason. **$1.25.**

Solange (9.7) Of this variety Mrs. Harding writes: "Until the lover of peonies knows Solange, his life is wasted, bare, uninteresting, improvished, and lonely beyond all words to tell Its flower is high built, compact, and composed of large, thick petals which closely overlap. The color is deep cream, tinged with amber throughout, with a touch of soft, salmon-pink glowing from its heart." Late. **$1.00.**

★Tourangelle (9.4) Pearl-white, overlaid with delicate shades of salmon; flowers flat, borne on long stems. Must be well established to get best results. Exquisite in its color tints if shaded from the sun when opening. Late. **$1.00.**

Peony Cover Collection

(Illustrated on Cover F)

One each of Baroness Schroeder, Karl Rosefield, Mons. Jules Elie and Sarah Bernhardt, (value $3.25) prepaid for **$2.00.**

This is one of the finest Peony collections we have ever offered. It proved so popular the last two years that we are offering it again. All varieties are highly rated and are outstanding garden and cut-flower varieties. They will give superb flowers of the highest quality over a long season. Get a collection for your cutting garden as well as for your flower garden and you will not be disappointed.

Red and Crimson Sorts

Auguste Dessert (8.7) Cup-shaped flowers of fine form, with rounded petals, velvety crimson-carmine, very brilliant, with silvery reflex and often streaked white. Midseason. **$1.00.**

Cherry Hill (8.6) Deep garnet with conspicuous sheen. Stems strong and erect. Does not burn. Early. **75c.**

★E. G. Hill (7.8) Very large, double flowers of rich tyrian red with a fiery brilliancy. Of erect, rather dwarf, compact growth, with extra stiff stems. Early midseason. **60c.**

All Prices F. O. B. Our Nurseries, Western Springs, Ill. If wanted by Parcel Post, add 8c for 1 plant, 16c for 3 plants.

RED AND CRIMSON SORTS—Continued

★Felix Crousse (8.4) Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Late midseason. 50c.

Grover Cleveland (8.2) Rose type; late. Rich, dark crimson; a strong grower. 50c.

Inspecteur Lavergne (8.6) Vivid crimson, frilled petals in the center; very full, globular flower of Mons. Jules Elie form. Abundant bloom. $1.50.

★Karl Rosefield (8.8) Very tall, compact grower of stately habit and an excellent bloomer, every stem carring a huge, ball-like flower of rich velvety-crimson. Very brilliant and striking. We consider it the best all-round red Peony. Early midseason. 75c.

★Longfellow (9.0) Perhaps the most brilliant of all the red peonies. Golden stamens show around the center petals. Late midseason. $1.00.

★Mary Brand (8.7) Vivid crimson of immense size; full double; a free-bloomer and a strong grower; midseason. Excellent for cut flowers. 75c.

Mad. Gaudichau (8.2) Large, rather loosely built flowers of brilliant dark red; late midseason. Fine garden variety. Foliage vivid red in spring; stems red all summer. $1.00.

Mons. Martin Cahuzac (8.8) Medium sized, globular blooms. Dark purple-garnet with black reflex. The darkest peony known. Strong, vigorous grower; free-bloomer; midseason. $1.00.

Officinalis Rubra Plena (8.6) This is the old-fashioned red, the most brilliant of all red peonies; early and splendid cut flower. 75c.

★Philippe Rivoire (9.2) Very dark crimson with velvety sheen. Perfectly formed, cup-shaped flowers with incurved center; delightfully fragrant; late. It is distinctly different and is the most beautiful and highest rated of all red Peonies. $2.00.

★Richard Carvel (8.8) Large globular flowers, all one shade of bright crimson. Tall, very stout stems, annual and profuse bloomer. Delicate fragrance. Early, usually in bloom for Decoration Day. 75c.

Tenuifolia Flora Plena A very early species, in bloom two weeks ahead of any other Peony. Flowers are a full-double brilliant crimson and the foliage is finely cut like that of the Cosmos. Very rare and always scarce. Should be mulched the first winter after planting. $2.00.

We have a large collection of Peonies. Ask for a complete list.

Japanese Flowered Peonies

These are entirely without pollen. The inner petals are a mass of filaments surrounded by a guard of petals.

★Ama-No-Sode (9.2) Considered by many the handsomest pink Japanese peony. The flowers are large, of bright rose, shading lighter toward the edge of the petals. $2.00.

Fuyajo (9.2) Outer petals dark, rich, mahogany-red with velvety shading. Petaloids dark red striped and tipped buff. $1.00.

Gold Mine (8.2) Single row of deep rose guard petals; deep golden center. 75c.

★Isani Gidui (9.3) Large, perfectly shaped flowers of pure white with rich buff-yellow center. Midseason. Considered the most beautiful white Japanese Peony. $3.50.

★Mikado (8.6) Guards velvety crimson, forming a cup enclosing a filigree cushion of crimson petaloids, edged and tipped gold. 75c.

Ruigegno Two rows of petals of clear red. Golden petaloids. A beautiful flower of fine substance. $1.50.

Torpilleur (8.0) Guard petals lively purplish-carmine; central filamentous petals of same tint but streaked and tipped with yellow. $1.00.

Plant a few of the Single and Japanese Peonies. They are very showy and artistic and make an unusually beautiful picture in the garden or when cut. At night and on cloudy days they close their petals and look like a bouquet of huge rose buds. Very effective.

Single Peonies

Clio (7.6) Large, cup-shaped single pink. Center a mass of long, golden pollen-bearing stamens, with pond lily fragrance. 75c.

Fusyama. Soft colored flesh pink. Extra fine variety. 50c.

★La Fiancee (8.4) Pure white; very large, tall. 75c.

★L'Etincelante (8.1) Very broad petals of bright carmine with silvery border; crown of golden stamens at the center. $1.00.

Nymphe Large flowers of bright flesh-pink with golden stamens. 75c.

Perle Rose Delicate clear china-pink with silvery edge. 50c.

★Veloutine (7.3) Large single cup-shaped flower, like a tulip. Color velvety purple-red. 50c.

Vesuve (7.6) Dark red. Early. 75c.

Tree Peonies

Rare shrub-like plants. They are hardy, free-blooming, have rich coloring and thrive in an average soil in part or full sun. They should be mulched the first winter. We offer 2 years old grafted plants in 5 inch pots. Price, except where noted, Each, $4.50.

Lactea Pure white, blotched carmine.

Reine Elizabeth One of the best of the double-flowered varieties. Very large, bright salmon-pink; free flowering.

Souv. De Maxine Cornu Enormous flowers, 8 inches or more across, with wrinkled petals of deep yellow, heavily shaded orange; fragrant. $12.00.

Souv. De Ducher Large, globular bloom; bright reddish violet with silvery reflex.

Good Peonies at Bargain Prices

Any of the following, 40c each. Add for postage for 1 plant, 8c; for 3 plants, 16c.

Alexander Dumas. (7.1) Light violet-rose, creamy collar. Midseason.

Duc de Wellington (7.9) White tinted yellow; early; fragrant.

Duchess de Nemours (8.1) Beautiful sulphur-white; early, fragrant.

Jeanne d'Arc (7.9) Varied pink shades; midseason. Exquisitely fragrant.

La Tulipe (7.5) Large light pink, tipped carmine; late midseason.

Louis van Houtte (6.7) Carmine-rose; late midseason.

Mad. de Verneville (7.9) Early blush white; fragrant; underrated.

Mad. Ducel (7.9) Like Mons. Jules Elie, but a smaller flower. Midseason.

Marechal Valliant (7.5) American Beauty color; very large; late.

Miss Salway. (7.8) Very large, globular, lilac-white. Midseason.

Deluxe Peony Collection

Six of the world's finest varieties
9.9 **LeCygne**, white 9.4 **Tourangelle**, white
9.2 **Philippe Rivoire**, red 9.8 **Therese**, pink
9.7 **Solange**, cream 9.3 **Walter Faxon**, pink
One each of the above (value $8.50) for $6.00

Surprise Peony Collection

Three beautiful named varieties, one each red, white and pink, our selection, labeled, (value $1.30) prepaid for $1.00.

Un-named Peonies

Double White—Double Red — Double Pink—Each, 30c; 4 for $1.00.

Vines for Fall Planting

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 yr., 50c; doz., $5.00.

DUTCHMAN'S PIPE

Aristolochia Sipho. A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and adaptable to practically every situation, thriving in any soil, in sun or shade. $1.00.

CREEPER (Ampelopsis)

Boston or Japanese Ivy. (Ampelopsis Tricuspidata or Veitchei). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, 50c; doz., $5.00, 3 year, 70c; doz., $7.00.

Engelman's Creeper (Ampelopsis Engelmani). One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner and of greater substance. Leaves color beautifully in the fall. 2 yr., 40; doz., $4.00; 3 yr., 50c; doz., $5.00.

WISTERIA

American Purple Wisteria (Wisteria Magnifica). A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long pendulous racemes in late May. 2 yr. extra strong, 50c; doz., $5.00.

HONEYSUCKLE (Lonicera)

We cannot speak too highly of this class for covering arbors, fences, pergolas, verandas, etc. They are fine for ground planting under trees, and if used on terraces or embankments will prevent washing. All are perfectly hardy and improve in beauty each year.

Everblooming Honeysuckle (Lonicera Heckrotti). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 75c; doz., $7.50.

Hall's Japanese Honeysuckle (Lonicera Japonica Halleana). This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. 2 yr., 50c; doz., $5.00.

HARDY ENGLISH IVY

Hedera Helix Gracilis. This variety has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places. 2½ in. pots, 35c; doz., $3.50.

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The varieties listed should be pruned early in spring as they produce their finest blossoms from wood made during the current year. If not pruned, the flowers which develop will be small. They require rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

Henryi. Strong grower, flowers usually eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy. 2 yr., 75c; doz., $7.50.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season. 2 yr. 75c; doz., $7.50.

Mad. Edward Andre. Flowers large, of a very beautiful bright velvety red, very free-flowering and continuous bloomer. 2 yr. 75c; doz., $7.50.

Gold Medal Collection. One 2-yr. old roots, each, Jackmani, Henryi and Mad. Edward Andre, $2.00.

Trees and Shrubs of Unusual

BERBERIS Mentorensis

ALMOND (Prunus)

Flowering Almond (Prunus Glandulosa). *4 to 6 ft.* These well known, bushy shrubs are favorites in the old gardens. They never fail to produce in early spring, before the leaves appear, a profusion of small very double white or pink, rose-like flowers that are closely set along the branches.

Pink Flowering Almond (Prunus Glandulosa Sinensis). 2 to 3 ft., **75c**; per 10, **$6.50.**

AZALEA

Chinese Azalea (A. Mollis). *3 to 4 ft.* One of the most glorious of the Azaleas, with flowers of yellow, orange, lemon, salmon and terra cotta borne before the leaves appear. It is of dwarf, compact growth with bright green foliage turning to bronze and red in fall. We can supply mixed colors only. The plants we offer have flowering buds and should bloom next spring. 9 to 12 in. B. & B., **$1.25**; 10, **$10.00**; 12 to 15 in., B. & B., **$1.50**; 10, **$12.50**; 15 to 18 in., B. & B., **$2.50** each, 18 to 24 in., B. & B. **$3.00** each.

BARBERRY (Berberis)

Mentor Barberry (Berberis Mentorensis). (Patent No. 99). *3 ft.* It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and of green as dark as the Japanese Yew. With us here the leaves remain green until after the holidays, but are dropped in late winter. An ideal shrub for low hedges or foundation plantings. 15 to 18 in., each, **60c**; per 3, **$1.50**; per 10, **$3.75**; per 100, **$30.00**; 18 to 24 in., each, **75c**; per 3, **$2.00**; per 10, **$5.00**; per 100, **$40.00.**

Red-Leaved Japanese Barberry (Berberis Thunbergi Atro-Purpurea). *4 ft.* Similar in all respects to the green-leaved Japanese Barberry, but the foliage is a rich, bronzy red, similar to the red-leaved Japanese Maples. Plant in full sun to develop its coloring. 15 to 18 in., each, **50c**; per 10, **$4.50**; 18 to 24 in., each, **75c**; per 10, **$6.50**; 24 to 30 in., **90c**; per 10, **$8.00.**

Truehedge Columnberry (Berberis T. Pluriflora Erecta). (Patent No. 110.) *4-5 ft.* Often mistaken for Boxwood on account of its extremely formal shape and its dense, glossy foliage, which is decidedly more dense, more upright and more richly foliaged than the common Thunbergi. Of distinct pyramidal habit, it may be used for formal hedge or individual specimens without pruning. 18 to 24 in., each **60c**; per 5 **$2.25**; per 25, **$9.75**; per 100, **$36.00.**

BEAUTY BUSH (Kolkwitzia Amabilis)

Its trumpet-shaped pink flowers are freely produced. Grows from *6 to 8 ft.* tall and fully that wide. Absolutely hardy and makes a wonderful showing in June. 3 to 4 ft., each, **60c**; 4 to 5 ft., each, **80c**; 5 to 6 ft., **$1.25**; per 10, **$10.00**; 5 to 6 ft., specimens, each, **$1.75.**

All Prices Are F. O. B. Our Nurseries, Western Springs, Ill.

Except where noted, 10 of one variety supplied at 10c less than each rate; 5 of one variety supplied at the 10 rate.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B & B indicates "Balled and Burlapped".

BRIDALWREATH (Spiraea van Houtte)

5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., each, **40c**; per 10, **$3.50**; 3 to 4 ft., each, **50c**; 4 to 5 ft., each, **60c.**

BURNING BUSH (Euonymus)

Dwarf Burning Bush (Euonymus Alatus Compacta). *4 to 6 ft.* A compact shrub that is especially attractive in the fall when the foliage turns crimson, and the whole bush resembles a ball of fire. Fine for formal effects as it may be kept trimmed to the size and height desired. 24 to 30 in., **$1.00.**

European Burning Bush or Spindletree (Euonymus Europaeus). *12 to 14 ft.* A tall, erect shrub, very handsome and conspicuous in autumn and winter when it is loaded with rose-colored capsules, from which orange-colored berries hang on slender threads. Rarely seen in gardens but one of our finest berried shrubs. 2 to 3 ft., **50c**; 3 to 4 ft., each, **65c.** 4 to 5 ft., each, **80c.**

CHERRY, JAPANESE FLOWERING

Probably no group of small-flowering trees attract more attention than the Japanese Cherries with their rose-like flowers. Thousands visit the large collection at Washington, D. C. annually. They will thrive in a fertile and well-drained soil and should be kept mulched for a few years. It is advisable to pinch back the new growth in July, as this will have a tendency to force flower buds for the next season.

Fujizan (Mt. Fuji). *20 ft.* A beautiful variety that produces an abundance of large double or semi-double, snow-white, fragrant flowers, about 1½ inches wide. Late flowering. 4 to 5 ft, each, **$2.25**; 5 to 6 ft., **$2.75.**

October Cherry (Prunus Subhirtella Autumnalis). Single pink passing to white blossoms in spring, and usually a fall crop. 4 to 5 ft., **$3.00.**

Sieboldi (Naden). *20 ft.* The flowers, a deep blush-pink in color, are very large and are produced early in great abundance. 4 to 5 ft. **$2.25**; 5 to 6 ft., **$2.75.**

Double Flowering Weeping—Subhirtella Type. In early spring its very slender, pendulous limbs are covered with myriads of small double pink flowers. 5 to 6 ft. stems, 2 yr. heads, **$4.00.**

Double Flowering Weeping—Serrulata Type. (Umbrella-shaped.) Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 5 to 6 ft. stem, 2 yr. head, **$4.00.**

KOREAN GOLDEN BELL

CHINESE ELM HEDGING

Ulmus Pumila (Chinese Elm Hedging). Chinese Elm is destined to become one of our leading hedge and windbreak plants. It forms a beautiful, dense, impenetrable hedge with small, dark green foliage that it holds until late in the autumn. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 18 to 24 in. seedlings, not transplanted, 10, **$1.00**; 50, **$4.50**; 100, **$8.00.** 2 to 3 ft. seedlings, not transplanted, 10, **$1.50**; 50, **$6.00**; 100, **$10.00.** 5 to 6 ft., transplanted, **$1.25**; 10, **$10.00.**

COTONEASTER

Peking Cotoneaster (Acutifolia). *5 to 10 ft.* Small leathery leaves of rich glossy green on willowy brown branches closely set with small pink flowers in May; jet black berries in fall. It is a beautiful shrub and makes one of our finest hedges, due to its upright growth and adaptability to dry situations. Can be trimmed like Privet. Recommended in the North where hedge plants must be extremely hardy. 2 to 3 ft., **50c**; 10, **$4.00**; 3 to 4 ft., **60c**; 10, **$5.00.**

CORALBERRY

Coralberry or Indian Currant (Symphoricarpos Vulgaris). *3 to 4 ft.* Purplish red fruit in Fall. Succeeds well in shade. 2 to 3 ft., each **40c**; 3 to 4 ft., each, **50c.**

CRANBERRYBUSH (Viburnum)

European Cranberrybush (Viburnum Opulus). *8 to 10 ft.* Of upright, spreading habit with dense green foliage. The single white flowers, borne in flat, imperfect clusters in May, are succeeded with very showy, cranberry-like berries that cling to the leafless branches all winter. 3 to 4 ft., **70c**; 4 to 5 ft., **75c**; 5 to 6 ft., **90c**; per 10, **$7.50.**

CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (Malus Ioensis Bechteli). *10 to 15 ft.* Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., **$1.25**; 4 to 5 ft. **$1.60**; 5 to 6 ft., **$2.25**; 6 to 7 ft., 1 to 1¼ in. califer, **$2.75.**

Carmine Crab (Malus Atrosanguinea). *10 to 15 ft.* Similar to the Japanese, with carmine flowers which do not fade. 4 to 5 ft.; 5 to 6 ft.

Eleyi Crab (Malus Eleyi) (New). *10 to 15 ft.* A valuable new variety with red foliage, holding its brilliant color until fall. Produces clusters of wine red flowers and fruits of a red and apricot color about the size of cherries. 4 to 5 ft., **$2.50**; 5 to 6 ft., **$3.00.**

Japanese Flowering Crab (Malus Floribunda). *10 to 15 ft.* Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter. 4 to 5 ft., 5 to 6 ft.

Price of above, except where noted, 4 to 5 ft **$1.50**; per 10, **$12.50**; 5 to 6 ft., **$2.00**; per 10, **$17.50.** Sizes which we have to offer noted after each variety. **Write for prices on larger sizes and for complete list of varieties.**

DOGWOOD (Cornus)

Coral Dogwood (Cornus Alba Sibirica). *6 to 10 ft.* Bright coral-red branches. 2 to 3 ft., each. **50c**; 3 to 4 ft., each, **60c.**

Goldentwig Dogwood (Cornus Stol. Flaviramea). *6 to 10 ft.* Attractive golden yellow bark. 2 to 3 ft., each, **50c**; 3 to 4 ft., each, **60c.**

Beauty and Distinctive Charm

AMERICAN ELM, MOLINE TYPE

ELM (Ulmus)
3 Quick Growing Varieties

American Elm, Moline Type (Ulmus Americana Molini). *80 to 100 ft.* Exceedingly large foliage. Of upright habit, taking up little room. Splendid tree for the street or for small yards.

American Elm, Vase Type (Ulmus Americana Urni). *80 to 100 ft.* A beautiful tree for landscape or boulevard planting where grace, dignity and uniformity are desired. A true vase-shaped tree. Prices of the above 2 Elm Trees as follows:

Height	Caliper	Each	10 for
8 to 10 ft.	1¼ to 1½ inch	$1.75	$15.00
10 to 12 ft.	1½ to 1¾ inch	2.25	20.00
10 to 12 ft.	1¾ to 2 inch	2.75	25.00

Chinese or Siberian Elm (Ulmus Pumila). *75 ft.* On account of its rapid growth, resistance to disease and ability to thrive in almost any situation, this new variety is already one of the most popular shade and street trees in America. A tree of rare beauty with small, dark green foliage.

Height	Caliper	Each	10 for
6 to 8 ft.		$1.50	$12.50
8 to 10 ft.	1 to 1¼ inch	1.90	17.50
8 to 10 ft.	1¼ to 1½ inch	2.25	20.00

Larger sizes, prices on application.

FIREBUSH OR FLOWERING QUINCE

Firebush or Flowering Quince (Cydonia Japonica). *4 to 5 ft.* Very showy in April when its branches are covered with brilliant orange-scarlet, flowers, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., each, **50c**; 2 to 3 ft., each, **60c.**

GOLDEN BELL (Forsythia)

Border Forsythia (F. Intermedia). *6 to 8 ft.* Bright golden yellow flowers in early spring. 2 to 3 ft., each, **40c**; 3 to 4 ft., each, **50c**; 4 to 5 ft., each, **60c.**

Korean Golden Bell (F. Ovata). *5 to 8 ft.* Handsome new species that is extremely hardy and does not fail to bloom, even after the coldest winters The flowers are pale primrose-yellow and are produced very early, 10 days before the other sorts. 2 to 3 ft., **$1.00**; per 10, **$8.50.**

Showy Border Golden Bell (Forsythia Intermedia Spectabilis). *6 to 8 ft.* Considered the best of the Forsythias on account of its larger and richer yellow blossoms, which completely cover the wide spreading branches in early spring. 2 to 3 ft., **50c**; 3 to 4 ft., **60c.**

HANSEN BUSH CHERRY

Prunus Besseyi. *4 to 5 ft.* An easy to grow, new, hardy, quick-bearing cherry. It is valuable for its fruit, which resembles a plum in size and shape, and which comes massed in clusters from the ground up. They are good to eat fresh and make delicious preserves. The plants have striking ornamental value, are of a dwarf, bushy nature, and suitable for foundation plantings or for low fruiting hedges. Large, fragrant white flowers in spring and beautiful silvery green foliage which turns to a rich red and gold color in fall. 2 yr., **50c**; per 3, **$1.25**; per 10, **$3.50.**

HONEYSUCKLE (Lonicera)

Lonicera Korolkowi Floribunda. *10 ft.* Twiggy growth, arching in habit and with a mass of gray-green foliage. The masses of delicate pink flowers are carried high on the plants, producing a misty effect. Conspicuous dark red fruits. 2 to 3 ft., **75c.**

Pink Tatarian Honeysuckle, (Lonicera Tatarica Rosea). *9 to 10 ft.* One of our best shrubs for screen and border plantings. 3 to 4 ft., each, **60c**; 10, **$5.00**; 4 to 5 ft., each, **75c**; 10, **$6.00.**

HYDRANGEA

Peegee Hydrangea (H. Paniculata Grandiflora). *8 to 10 ft.* Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August.

Snowball Hydrangea (H. Arborescens Grandiflora). *4 ft.* Large, flat heads of snow-white flowers in June and July. Thrives in shade.

Prices of above, 2 yr., **60c** each.

JETBEAD (Rhodotypos Kerrioides)

4 to 5 ft. This is one of our handsomest and most useful shrubs. It will thrive in dry, shaded locations, in smoky cities, and is unexcelled for planting under trees and on the north side of buildings. The leaves are large, of a beautiful, cool looking shade of green, and they do not drop until late in the Fall. Large single white flowers like mock-orange blossoms, borne in May and intermittently all summer, are followed by shining black berries which persist throughout the winter. 2 to 3 ft., **40c**; per 10. **$3.00**; 3 to 4 ft., **50c**; per 10, **$4.00.**

KOREAN SPIRAEA

Spiraea Trichocarpa. *4 to 6 ft.* In general habit this new hardy variety is very similar to the Bridal Wreath (Spiraea van Houttei). It has the same graceful, arching form, but is a stronger grower, has larger flowers and blooms about two weeks later. 2 to 3 ft., **50c.**

Outstanding Lilac Novelties

Jan Van Tol. Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., each, **$1.50**; 3 to 4 ft., **$1.75.**

Marechal Lannes. Extra large trusses of double or semi-double flowers of beautiful bluish violet. Individual florets are of amazing size, the largest of any variety in our collection. A very showy lilac and one of our favorites. Fragrant. 2 to 3 ft., **$1.50.**

President Poincare. Enormous, compact trusses of very large, full double flowers. Huge, dark red buds that open into lavender-blue flowers, presenting an unusually beautiful combination of colors. Very fragrant. 2 to 3 ft., **$1.50.**

SPECIAL OFFER. One each of the above three Lilacs, 2 to 3 ft., for **$3.75.**

Marechal Foch (Sensational New Pink). Bright carmine-rose with pink eye. Immense single flowers, 1-inch or more across, on large trusses. Very scarce. 2 to 3 ft., **$4.00.**

All the Lilacs offered are of merit but those which we have underlined are to be especially recommended.

HANSEN BUSH CHERRY

HYBRID LILAC

HYBRID LILACS (Syringa)

Ludwig Spaeth, single dark reddish-purple; **Mad. Lemoine,** double white; **Marie Legraye,** single white; **Michael Buchner,** double lilac; **Pres. Grevy,** double blue. Price of above: 3 to 4 ft., **$1.25**; 4 to 5 ft., **$1.50.**

NEW HYBRID LILACS (Syringa)

Charles Joly. Double flowers of dark wine-red with silvery reverse. 3 to 4 ft., 4 to 5 ft.

Claude Bernard. Double, a rapid growing variety with long trusses of double or semi-double bright mauve lilac flowers; very early. 3 to 4 ft., 4 to 5 ft., 5 to 6 ft.

Descartes. Single; mauve-pink; exceedingly free. Very early. 3 to 4 ft.; 4 to 5 ft.

Edouard Andre. Double; clear rose or nearly pink; one of the best of this color. 3 to 4 ft.; 4 to 5 ft.

Jean Mace. Double, broad, compact panicles of billowy blue flowers; an early and very floriferous variety. 4 to 5 ft.; 5 to 6 ft.

Montaigne. Double. Very large clusters of mauve-pink flowers. It is the last of the Hybrid Lilacs to bloom and it is noted for the remarkable abundance of its flowers. A very choice variety that is easy to grow. 3 to 4 ft., 4 to 5 ft., 5 to 6 ft.

President Faillieres. Double; immense clusters, pale lavender. 2 to 3 ft., **$1.50**; 3 to 4 ft., **$1.75.**

Pres. Loubet. Double; buds bright red, opening into crimson-purple flowers showing some white. Very choice. 2 to 3 ft.; 3 to 4 ft.

Prices of above, except where noted, 2 to 3 ft., each, **$1.25**; 3 to 4 ft., each, **$1.50**; 4 to 5 ft., each, **$2.00**; 5 to 6 ft., each, **$2.50.**
Sizes which we have to offer noted after each variety.

3 EXTRA FINE LILACS

Although not new, these 3 varieties are outstanding in any collection and they make a striking group planting. All are exceedingly floriferous.

LUDWIG SPAETH. A distinct and most beautiful Lilac having immense trusses of large single brilliant, deep purplish-red flowers. It blooms over a long period and the flowers are excellent for cutting. One of the outstanding varieties at the Arnold Arboretum.

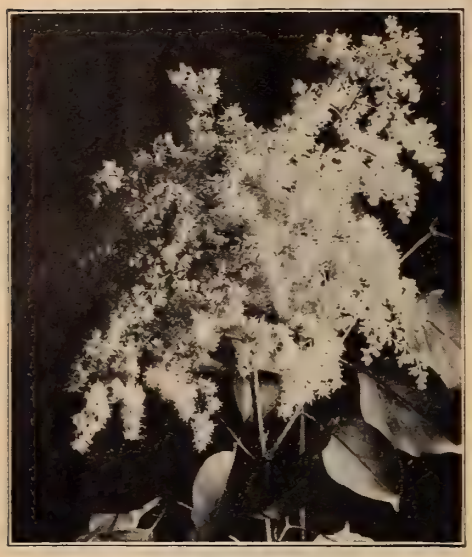
MARIE LEGRAYE. If this were a new variety, it would be sensational. Its large, single, pure white flowers are borne in very large panicles and are very beautiful. Blooms profusely and is a fine cut-flower variety.

PRES. GREVY. Considered by many as the most satisfactory of the blue Lilacs, this is also one of the outstanding varieties in the large collection at the Arnold Arboretum. Large, compact clusters of double flowers of very fine blue.

SPECIAL OFFER: One each of above, 3 to 4 ft. (value $3.75) for $3.00.

We have a large collection of Lilacs. Write for special price list.

Trees and Shrubs of Unusual Beauty and Distinctive Charm



JAPANESE LILAC

JAPANESE LILAC

Japanese Lilac (Syringa Japonica). *15 to 20 ft.* This variety forms a handsome small tree with broad, thick, dark green foliage. It is the last of the Lilacs to bloom, bearing its small creamy-white flowers in upright clusters from 12 to 18 inches long in June and July. 4 to 5 ft., **90c**; 10, **$7.50**; 5 to 6 ft., **$1.25**; 6 to 8 ft., **$1.50**.

PERSIAN LILACS

Persian Purple (Syringa Persica). *8 to 10 ft.* The most graceful and freely flowering of the Lilacs and one of the most beautiful hedge and screen plants in existence. The leaves are long and narrow; the branches drooping and willowy; and the purple-lavender flowers, in loose panicles, come in such profusion that they completely cover the plants. 2 to 3 ft., **50c**; 10, **$4.50**; 100, **$35.00**; 3 to 4 ft., **60c**; 10, **$5.00**; 4 to 5 ft., **75c**; 10, **$6.00**; 100, **$40.00**.

MAIDENHAIR TREE

Ginkgo Biloba. *50-60 ft.* A highly ornamental tree of slender upright habit. The leaves are fan-shaped, resembling the maidenhair fern, and are a deep green, turning to rich golden yellow in fall. Native of China, and although now quite rare, it is the oldest species in cultivation. It is immune to the attacks of insects and diseases and will thrive in the unnatural conditions of our cities. 5 to 6 ft., **$2.50**; 6 to 8 ft., **$3.50**.

Maple (Acer)

Amur Maple (Acer Ginnala). *10 to 15 ft.* A graceful large shrub or small tree, low branched and bushy. Its small foliage, prettily cut and lobed, turns a brilliant red in autumn. It is extremely hardy and may be used as a substitute for the Japanese Maple. 4 to 5 ft., **$1.00**; 10, **$9.00**; 5 to 6 ft., **$1.50**; 10, **$12.50**.

Norway Maple. (Acer Platanoides). *50 to 75 ft.* A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1¼ inch.....	$2.25	$20.00
8 to 10 ft.	1¼ to 1½ inch.....	2.75	25.00

Larger sizes, prices on application.

Sugar Maple (Acer Saccharum.) *50 to 75 ft.* Tall, stately tree of vigorous growth with deeply lobed, dark green foliage, changing in autumn to brilliant tones of orange and lemon.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1¼ inch.....	$2.50	$22.50
10 to 12 ft.	1½ to 1¾ inch.....	3.50	32.50

Schwedler Maple (Acer Platanoides Schwedleri.) *40 to 60 ft.* Especially attractive in the spring, when their gleaming red and purple leaves contrast brightly with the delicate green of other trees. They change to dark green during the summer and fade with tones of yellow and brown in the fall.

Height	Caliper	Each	10 for
8 to 10 ft.	1¼ to 1½ inch.....	$4.00	$37.50
10 to 12 ft.	2 to 2¼ inch.....	8.00	75.00

MOCK ORANGE (Philadelphus)

Bouquet Blanc. *4 to 5 ft.* Each single branch of this variety has the appearance of a bouquet when thickly set with fragrant, semi-double flowers. Of upright growth. 2 to 3 ft., **50c**; 3 to 4 ft., **60c**.

Norma. *7 to 8 ft.* Unusually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 2 to 3 ft., **60c**; per 10, **$6.00**.

Pyramidalis. *8 to 10 ft.* Waxy white clusters of large double flowers. Of tall, compact, pyramidal growth with large dark green leaves. 2 to 3 ft., **60c**; 10, **$5.00**; 3 to 4 ft., **75c**; 10, **$6.00**.

Virginalis. *7 to 8 ft.* One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white and sweet-scented. It has a long blooming season, the new wood producing large individual single or semi-double flowers throughout the summer. 2 to 3 ft., **50c**; 3 to 4 ft., **60c**; 4 to 5 ft., **75c**.

PRIVET (Ligustrum Amurense)

12 ft. One of the best hardy hedge plants. 18 to 24 in. **20c**; 10, **$1.50**; 100, **$12.00**; 2 to 3 ft., **25c**; 10, **$1.75**; 100, **$15.00**.

PLUM (Prunus)

Double-Flowering Plum (Prunus Triloba). *7 to 8 ft.* Native of China. Flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold, 3 to 4 ft., **$1.00**; 10, **$9.00**.

Newport Purple-leaf Plum (Prunus Cerasifera Newport). *12 to 15 ft.* A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. 4 to 5 ft., **$1.00**; 5 to 6 ft., **$1.50**.

GOLDEN ROSE OF CHINA

Golden Rose of China (Rosa Hugonis). *6 ft.* This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. It never winter-kills. 2 year, **70c**; 3 yr., **90c**.

NEW HYBRID RUGOSA ROSES

Agnes. *5 to 6 ft.* The flowers are a rich amber yellow, double, sweetly scented and come early in June. It is a vigorous grower with grey-green, crinkled foliage. 2-year, **75c**.

F. J. Grootendorst. *5 to 6 ft.* A cross between the Rugosa and the Crimson Baby Rambler. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, **75c**.

Rugosa Dr. Eckener. *5 to 6 ft.* Large, fragrant, cup-shaped flowers of luminous buff-pink with golden suffusion. Very hardy and blooms intermittently from July to September. 2 yr., **75c**.

Pink Grootendorst. *5 to 6 ft.* A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2-year, **75c**.

OREGON HOLLYGRAPE

Mahonia Aquifolia: *2 to 4 ft.* An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., **90c**; 15 to 18 in., B. & B., **$1.25**; 18 to 24 in., B. & B., **$1.50**.

VIRGINAL Mock Orange

RHUS COTINUS SMOKETREE

SMOKETREE or Purple Fringe

Rhus Cotinus. *10 to 12 ft.* A tall shrub bearing huge, plumy masses of misty smoke-colored flowers in July. They last for a month or more and are highly ornamental. 3 to 4 ft., **$1.00**.

SNOWBALL

Old-Fashioned Snowball (V. Opulus Sterile). *8 to 10 ft.* Large balls of white flowers in May. 3 to 4 ft., **70c**; 4 to 5 ft., **75c**.

EVERBLOOMING SPIRAEA

Spiraea Froebeli. *3 ft.* Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs. 18 to 24 in., **40c**; 24 to 30 in., **50c**.

SNOWBERRY

Snowberry (Symphoricarpos Racemosus). *3 to 5 ft.* Waxy white berries in fall. Does well in shade. 2 to 3 ft., **50c**; 3 to 4 ft., **60c**.

WINTERCREEPER (Euonymus)

This group of trailing Euonymus are valued for their dense evergreen foliage and hardiness. They can be used for ground covers on terraces or under trees and are very effective when planted with Evergreens.

Bronze Wintercreeper (Euonymus Radicans Colorata). A fine new variety introduced by the Arnold Arboretum, with bright red foliage in winter. 2-year, **60c**.

Bigleaf Wintercreeper (Euonymus Radicans Vegetus). This hardy evergreen trailer has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. Makes a useful ground cover and is very effective when planted with evergreens. 2-year, **90c**; 10, **$7.50**.

WITCH HAZEL (Hamamelis)

Winter-Blooming Witch-Hazel (Hamamelis Vernalis). *5 to 6 ft.* Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., **$1.00**; 3 to 4 ft., **$1.50**; 4 to 5 ft., **$2.00**; 5 to 6 ft., specimens, B. & B., **$3.00**.

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

Vaughan's Garden Tools and Requisites

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

FERTILIZERS (F. O. B. Chicago)

ADCO ARTIFICIAL STABLE MANURE. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 10 lbs., $1.50; 25 lb. bag, $2.50, 150 lbs., $11.50 Write for booklet.

BONE MEAL, Vaughan's "Rose Grower". Slightly steamed so that it can be ground fine, and is thus quicker in its action. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.35; 50 lbs., $1.95; 100 lbs., $3.25.

BONE MEAL, "Regular Grade." 25 lbs., $1.25; 50 lbs., $1.75; 100 lbs., $2.85.

CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. Price: 100 lbs., $2.75; 500 lbs., $10.75; 1,000 lbs., $17.50; 2,000 lbs., $34.00.

LOMA. Beautifies lawns and gardens. A scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrates, phosphates and potash. Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs. $2.50; 100 lbs., $4.00.

MILORGANITE. A plant food free of weeds provides plant food over a long period. 100 lbs., $2.75. 2000 lbs., $42.00.

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Cannot go by mail. 5 lbs., 50c; 10 lbs., 95c; 25 lbs., $1.45; 100 lbs., $3.50. Write for prices on larger quantities.

SHEEP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. 5 lbs., 35c; 10 lbs., 65c; 25 lbs., $1.10; 50 lbs., $1.60; 100 lbs., $2.35; 500 lbs., $10.25; 1000 lbs., $17.00; ton, $33.50.

VAUGHAN'S LAWN AND GARDEN FERTILIZER 5-8-6. Composed of plant foods in mineral form, making it odorless and quicker acting. Price, 5 lbs., 45c; 10 lbs., 80c; 25 lbs., $1.35; 50 lbs., $2.25; 100 lbs., $3.50.

VAUGHAN'S CONCENTRATED PLANT FOOD. This is the most useful fertilizer for all kinds of plants raised in pots. Small pkg., 20c each. Large pkg., 30c each.
Mailing weight, small, 10 oz.; large, 17 oz. Each package contains full directions.

VIGORO. 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50 50 lbs., $2.50; 100 lbs., $4.00.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125 and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of $2.00 or more. On larger quantities than 250 pounds the customer pays all freight or express charges.

INSECTICIDES AND FUNGICIDES

Weights—By mail, ½ pt., 1 lb.; pt., 2 lbs.; qt., 3 lbs.

DRY LIME SULPHUR. For dormant spraying use 12 to 15 lbs., to 50 gals., water. Lb., 35c; 5 lbs., $1.50; 25 lbs., $4.50; 100 lbs., $12.00.

NEW EVERGREEN. Non-poisonous. Oz., bottle, 35c; 6 oz. can, $1.00; pint, $2.00; gal., $12.00.

FISH OIL SOAP. An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. Per lb., 30c; 5 lbs., $1.25.

FLOWERS OF SULPHUR. For mildew on roses, etc. Lb., 15c; 10 lbs., $1.00; 25 lbs., $2.00.

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. ½ pint, 30c; pint, 50c; quart, 85c; ½ gal., $1.75; gal., $2.50; 5 gals., $10.00.

LIME-SULPHUR. The best remedy for San Jose scale. One gallon makes ten; one of the best Autumn sprays. Qt. can, 45c; 1 gal., $1.00; 5 gal. can, $4.00.

SCALECIDE. An oil preparation for San Jose scale. Qt., 65c; gal., $1.55; 5 gallons, $5.50.

TOBACCO STEMS. For fumigating. 5 lbs., 25c; 100 lbs., $2.50.

TOBACCO DUST. One of the best remedies for green and black aphis, fleas, beetles, etc., also for insects in the ground. Lb., 15c; 5 lbs., 35c; 10 lbs., 65c; 100 lbs., $4.00.

VOLCK. Controls scale insects, mealy bug, white flies, red spiders, rust, mites, aphis and thrips. ½ pint, 35c; quart, 80c; gallon, $2.50; 5 gallons, $7.50.

KNIVES. Propagating. "The Vaughan," best of all. Each, $1.50; by mail, $1.55.
Budding and Propagating. Two blades, white handle. Each, $1.75; by mail, $1.80.

KNIVES. Pruning. Henckel No. 3 C. Each, $2.50; by mail, $2.60.
Imported Pruning. $2.50; by mail, $2.60.

LABELS, Wooden, for Pots.

	Per 100	1000
4 in., painted	$0.45	$2.10
5 in., painted	.50	2.75
Tree (copper wired) 3½ in.	.55	3.25

WIRE FRUIT PICKER. A mechanical apple and fruit picker, so simple children can pick fruit with no danger. Without pole, price, 75c each; postpaid, 85c.

HOT-BED SASH

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass. Each, $2.50; 3 for $7.25; doz., $27.00.
Glazed, each, $5.35; 3 for $14.95; doz., $57.00.

HOT-BED MATS

Milo Waterproof Hotbed Mats. A combination of heavy weight burlap felt and absorbent pulp, cemented together with a specially prepared waterproof compound absolutely impervious to rain, sleet and snow; proof against frost; repellant to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches. Each, $2.10; doz., $21.00.
Size, 76x76 inches. Each, 3.85; doz., 39.00.

CEL-O-GLASS

CEL-O-GLASS. Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, $1.45; 25 ft. roll 3 ft. wide, $9.75; 100 ft. roll, $35.00.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weatherproof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., 30c; 10 yd. roll, $2.75; 20 yds., $5.00.

SPRINKLERS, Scollay's Rubber. Best sprinklers for plants, ferns, and flowers, holds 10 fluid ounces. Large $1.45. By mail, $1.50.

GLASS CUTTER, TROJAN. Each, 25c.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. No. 2, small, single thick glass; No. 2½, double thick, for greenhouse and skylights. Price, per lb. (approximately 900), 70c; postage extra.
Siebert's Improved, ⅝ and ⅞, price per lb., 60c.

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, $1.60. Mailing weight, 1 lb.

WATERING POTS.—American. Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, $4.75; 6 quart, $5.25; 8 quart, $5.95; 10 quart, $6.25; 12 quart, $6.50.
French Style. Oval, otherwise same make as above; 6 quart, $6.00; 8 quart, $6.25; 10 quart, $6.75, 12 quart $7.25.

THERMOMETERS. Tin Case, 8-inch. Each, 45c. **Cabinet Wood Case,** 8-inch. Each, 75c.
Tin Case, standard grade tested, 8-inch, Each, $1.50; **Hotbed,** Brass Point, Wooden Frame Each, $2.75; **Self-Registering** with magnet to set it, 8-inch, registers highest and lowest temperature, Each, $6.50.
White Porcelain Enameled. For in and outdoors and greenhouse with red spirit tube, easy to read. Each, 60c.

Japanese Bamboo Broom Rake. A handy tool for raking leaves very light and flexible. Each, 35c.

BROOM RAKE. Made of spring wire. Each, $1.25

DOUBLE EDGE PRUNING SAWS. 16-inch, each, $1.35; 18-inch, each, $1.45; 20-inch, each, $1.60.
California curved pole pruning without pole, each, $2.50.

Forester pruning saw, 26 inches long, for cutting long limbs, each, $2.25.

SHEARS (Pruning)—Best Grade, 9 in. each, $1.75. Nickel-Plated 6-inch, each, $1.60.
Henckel's Imported, 8½-inch, $4.25; 9½-inch, $4.75.

LAWN SWEEPER

The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. 24-in. cut. Each, $35.00.

PEAT MOSS—Granulated. A moisture retaining humus, an important aid in saving soil fertility. Better than manure. Garden size bale of about 6 bushels, $2.00; larger bale of about 22 bushels, $4.25.

PEAT. (Fern roots). Very useful for Orchids and Azaleas, per sack, about 2 bushels..... $3.25

LEAF MOLD. Peck, 40c; 2 Bushel Sack, $2.00

POTTING SOIL. This mixture is prepared by us. Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. Pk., 40c; bu., $1.25; bbl., $3.00.

POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully but will not be responsible for breakages.

	Doz.	100	1000		Doz.	100
2 in...	$0.35	$1.45	$10.25	6 in...	$1.25	$ 7.75
2½ in.	.40	1.65	12.75	7 in...	1.65	11.75
3 in...	.50	2.50	16.25	8 in...	2.25	16.25
4 in...	.65	3.00	.....	10 in.....	each, 60c	
5 in...	.85	5.50	.....	12 in.....	each, 85c	

BULB PANS (RED)

	Each	Doz.		Each	Doz.
6 in.....	$0.15	$1.25	8 in.....	$0.25	$2.25
7 in.....	.20	1.65	10 in.....	.60	5.50

TUBS—(Flower) Richmond.
These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Prices F. O. B. Chicago or New York.

No.		Each	Four	No.		Each	Four
1	6 x 6	$0.70	$2.60	9	14x13	$1.80	$ 6.80
3	8x 8	.75	2.80	11	16x15	2.20	8.40
5	10x 9	.95	3.60	13	18x17	3.00	11.60
7	12x11	1.40	5.40	14	19x18	3.65	14.00

If handles are required add 35c per tub.
First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

PRUNERS

THE FORESTER-PORTER POINTCUT PRUNER. Light in weight, 2½ lbs., 20 inches long. Easy to use in close places. Price, $5.00.

FORESTER PRUNERS

No. 1—20 inches long designed for the fruit grower. Each, $5.00. Weight, 2 lbs. 10 ozs.
No. 2—27 inches long has a capacity up to 1½ inch in green wood. Price, $6.00. Weight, 4 lbs. 10 ozs.
No. 3—34 inches long, capable of cutting up to its rated capacity in any so-called hardwood such as oak, maple and beech. Weight, 7 lbs. 4 ozs. Each, $7.00.

WHEELBARROWS

WHEELBARROW—Vaughan Garden. The best in design, material and workmanship for the class of trade who desire the best. With heavy steel wheel which permits easy wheeling of heavy loads. Price, $6.95.

CONTENTS OF GARDENING ILLUSTRATED, AUTUMN, 1938

Explanation of Table Below: Numbers prefixed B, represent Bulbs; P, Plants and Trees; R, Roots; S, Seeds.

	Page
Achillea	S. P. 24
Almond	P. 32
Alyssum	S. 26
Amaryllis	B. 19, Cover H
Anemone	B. 16
Annuals	S. 26-27
Antirrhinum	S. 26
Aquilegia	P. S. 24
Aster	P. 24
Azalea	P. 32
Barberry (See Berberis)	P. 32
Berberis	P. 32
Brodiaeas	B. 16
Breeder Tulips	B. 9
Bulb Bowls	40
Bulb Offers Introductory	B. 37
Bulb Pans	35
Bulb Planters	12
Calendula	S. 26
Calla Lilies	B. 18
Calliopsis	S. 26
Calochortus	B. 16
Camassia	B. 16
Campanula	P. S. 24
Canterbury Bell (See Campanula)	S. 24
Centaurea	S. 26
Cherry Japanese	P. 32
Chinese Lily	B. 18
Chionodoxa	B. 16
Clematis	P. 31
Clover	S. 2
Columbine (See Aquilegia)	P. S. 24
Coreopsis	P. S. 24
Cosmos	S. 26
Cotoneaster	P. 32
Cottage Tulips	B. 8
Crab Flowering	P. 32
Crocus	B. 16
Daffodils (See Narcissus)	B. 13-15, 18 Cover B
Daisy	S. P. 24
Darwin Tulip	B. 5-7
Day Lily	P. 25
Delphinium	S. P. 24, 27
Dianthus	S. P. 24
Dicentra	S. P. 24
Dog's Tooth Violets	B. 16
Elm	P. 33
Eranthis	B. 17
Erythronium	B. 16
Escholtzia	S. 26
Euphorbia	S. 26
Fertilizers	35
Flower Boxes, Tubs	35
Flower Pots, Pans	35
Flower Seeds	S. 26-27
Flower Tubs	35
Flowers for Indoors	B. 19, Cover H
Forsythia	P. 33
Freesia	B. 18
Fritillaria	B. 17
Fruit Picker	35
Fungicides	35
Gaillardia	S. P. 24
Garden Gloves	12
Garden Tools	35
Glass Cutter	35
Glazing Material	35
Grass Seed	S. 2
Gravel	40
Growing Flowers Indoors	B. 19, Cover H
Gypsophila	P. S. 25
Hamamelis	P. 34
Hardy Pinks	P. 24
Hardy Phlox	P. 25
Hemerocallis	P. 25
Honeysuckle (See Lonicera)	P. 31, 33
Hotbed Sash	35
Hotbed Mats	35
Hyacinth Glasses	20
Hyacinths	B. 20, Cover H
Insecticides	35
Iris	B. 15, 28, 29
Ixias	B. 17
Jonquils	B. 14
Joss Flower (See Chinese Lily)	B. 18
Kolkwitzia	P. 32
Labels	35
Larkspur (See Delphinium)	S. P. 24
Lawn Seed	S. 2
Lawn Sweeper	35
Leaf Mold	35
Leucocoryne	B. 19
Leucojum	B. 17
Lilacs	P. 33, 34
Lily of the Valley	B. 19, Cover H
Lilies	B. 21-23, Cover E
Lonicera	P. 31, 33
Lupins	S. 27
Malus	P. 32
Maple	P. 34
Mertensia	P. 25
Moss, Sphagnum	Cover H
Muscari	B. 17
Narcissus	B. 13-15, 18, Cover B
Narcissus, Chinese	B. 18
Nicotiana Affinis	S. 26
Nigella	S. 26
Ornithogalum	B. 19
Oxalis	B. 19
Pansy	S. 27
Papaver	S. P. 25
Paper Whites	B. 18, Cover H
Parcel Post Rates	36
Peat	35
Peat Moss	35
Pearl Chips	40, Cover H
Peonies	30-31, 39, Cover F
Perennials	P. S. 24-25
Perennial Collection	P. 24
Perfume	40
Petunia	S. 26
Philadelphus	P. 34
Phlox	P. 25
Planting Chart	37
Plant Tubs	35
Platycodon	P. 25
Poppy	P. S. 25, 26
Pots, Pans, Saucers	35
Potting Soil	35
Prepared Fibre	40, Cover H
Pruners	35
Prunus	P. 34
Pyrethrum	S. P. 25
Rakes	35
Ranunculus	B. P. 17
Resurrection Lily	B. 17
Rock Garden Collection	B. 7
Rosa Hugonis	P. 34
Roses	P. 38, 39
Sacred Lily	B. 18
Sage (See Salvia)	S. P. 25
Salvia	S. P. 25
Saws	35
Scillas	B. 17
Sedum	S. P. 25
Shears	35
Shrubs, Ornamental	P. 32-34
Snowball (See Viburnum)	P. 34
Snowdrop	B. 17, 19
Spring Snowflake (See Leucojum)	B. 17
Spiraea	B. 17, P. 32
Sweet William (See Dianthus)	S. P.
Syringas (See Philadelphus and Lilac)	P. 33-34
Thermometers	35
Trees, Shade and Ornamental	P. 32-34
Trollius	P. S. 25
Tulips	B. 1, 5-12
Tulip Collections	B. 1, 5-12
Covers C, D, G	
Vinca Minor	P. 25
Viburnum	P. 32
Vines	P. 31
Violet	P. 25
Watering Pots	35
Wheelbarrows	35
Winter Window Garden	B. 19
Wisteria	P. 31

HELPFUL DETAILS MAKING MAIL ORDERS CONVENIENT

Order at Once Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheet accompanying this catalog. One section is for seeds, bulbs and sundries (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for plants, shrubs and trees only.

Don't put plants and trees on the same section with bulbs and seeds.

Important Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us give plain express, mail or freight directions; where none are given, we route the same at buyers' risk.

Quantity, Size, Price Always give the quantity required of bulbs, plants or trees, mentioning size where different sizes are offered, and carry out the price of each item.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post Fourth Class Mail Matter, which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form), odorless fertilizers and requisites, may be forwarded by domestic parcel post within the United States. See table opposite showing postage you should add to insure free delivery. All poisonous Insecticides, are unmailable.

Express Service For most orders exceeding 20 pounds in weight and for plants requiring special packing, we urge they be expressed. Mark order plainly if wanted by Express or Parcel Post.

Our Terms with customers not having an account are strictly cash with order. We make no C. O. D. shipments unless one-third of amount is paid in cash with order. No trees, plants or other perishable stock, are sent C. O. D.

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If personal checks are used have them certified and add 15 cents for exchange cost. Put no currency in letter unless you register the same. Make money order payable to "Vaughan's Seed Store."

PARCEL POST Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

The weights of all bulbs and roots offered are given and customers are requested to add sufficient to their remittance to cover postage on total estimated weight of order at rates given in the following table.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
Local Chicago or New York City	7c.	1c. (2lbs.)
First and Second Zone within 150 miles of either	8c.	1.1c.
Third Zone within 150 to 300 miles	9c.	2.9c.
Fourth Zone within 300 to 600 miles	10c.	3.5c.
Fifth Zone within 600 to 1000 miles	11c.	5.3c.
Sixth Zone within 1000 to 1400 miles	12c.	7c.
Seventh Zone within 1400 to 1800 miles	14c.	9c.
Eighth Zone all over 1800 miles	15c.	11c.
Canada	14c	14c.

NOTE. A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more), provided money is remitted to cover postage. Mark your Zone Number on order.

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

VAUGHAN'S SEED STORE, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

SEND TO THE CITY NEAREST YOUR ADDRESS

Copyright 1938 by Vaughan's Seed Store

VAUGHAN'S SEED STORE

10-12 W. Randolph Street, CHICAGO
47-49 Barclay Street, NEW YORK

Bulb OFFERS FOR Beginners

PROVIDING SUCCESSION OF BLOOM

OF ALL the rewards won by the gardener, that found in the beauty of spring flowering bulbs is the most dependable and satisfying. If a few simple rules are followed he can hardly fail to produce flowers of first quality, provided he plants quality bulbs.

Not even cultivation is required for this harvest. No insects will prey upon the flowers of spring bulbs, and they have no diseases to require expert treatment.

Spring-flowering bulbs prolong the garden season by a month at least. Not only that, but among them are flowers which even did they come in June, when gardens are crowded with glory, no gardener would be without.

The purchase of spring-flowering bulbs should not be considered an expense, to be charged to one garden season. It is an investment. A stock of bulbs has been known to produce flowers in the same garden for a century.

Even the labor of lifting bulbs after flowering may be dispensed with. All do excellently when left undisturbed year after year. This practice, indeed, is recommended for the daffodils. And tulips will suffer small loss if allowed to remain in a bed where they have done well, year after year.

How to Plant Bulbs

Plant all fall bulbs as soon as they can be obtained, and you are willing to disturb established beds. Daffodils and hyacinths benefit from early planting. Tulips should go in when the leaves of trees fall, so they have a season of growth before the ground freezes.

In case of necessary delay, all fall bulbs can be planted as late as the ground can be worked. A light mulch placed over the proposed planting spot will keep the frost out, if delay is unavoidable. A mulch over late planted bulbs placed after the ground is frozen, will prevent thawing and heaving.

A complete plant food applied to the soil at the rate of 5 pounds to 100 square feet, raked into the top soil after planting, will benefit the bulbs. A similar application after blooming, where bulbs are left in the ground, will help mature large bulbs for the next year's flowering.

Use no manure with bulbs, unless it has been thoroughly rotted and can be spaded into the ground several months previous to planting.

If planting with a dibber, take care that the bulb rests on the soil and is not "hung"—that is, left with a hole beneath it caused by the point of the dibber.

To Introduce to You the Variety and Beauty of Spring Flowering Bulbs:

30 Bulbs, 5 Each of 6 Different Kinds. Postpaid . . . . $1.

We will send the following, all of first quality: 5 Snowdrops, 5 Grape Hyacinths, 5 Crocuses, 5 Scillas, 5 May-flowering Tulips, 5 Daffodils — 30 bulbs in all for $1.00, postpaid.

84 Bulbs, 12 Each of 7 Different Kinds. Prepaid $2.50

We will send bulbs of the finest quality of the following: 12 Snowdrops, 12 Grape Hyacinths, 12 Crocuses, 12 Blue Scillas, 12 May-flowering Tulips, 12 Mixed Daffodils, 12 Erythroniums — 84 bulbs in all for $2.50, prepaid.

200 Bulbs, Including 9 Different Kinds. Prepaid . . . . $5.

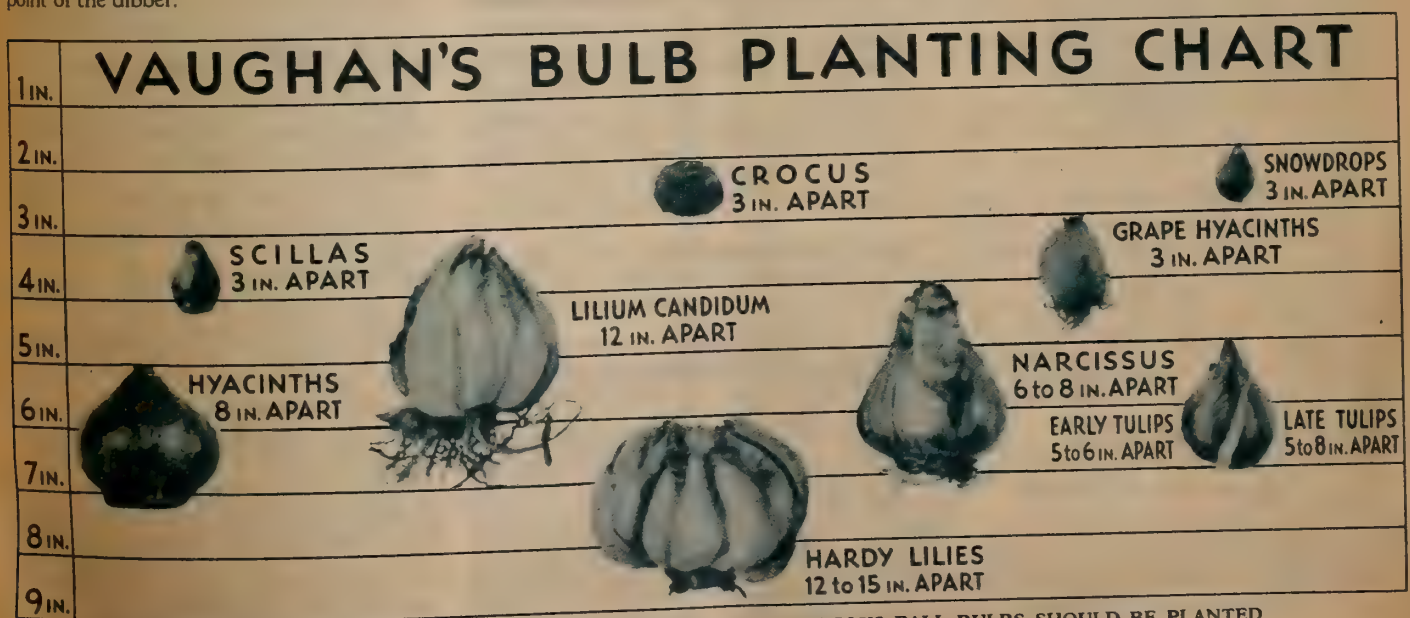
We will send bulbs of the finest quality of our selection, all named varieties, or single colors, no mixtures, bagged separately with names on bags, the following assortment: 24 Snowdrops, 24 Grape Hyacinths, 24 Crocuses, 24 Scillas, 24 May-flowering Tulips, 20 Mixed Daffodils, 24 Erythroniums, 24 Chionodoxa Lucillae, 12 Dutch Iris Mixed — 200 bulbs in all for $5.00, prepaid.

375 Bulbs, Including 9 Different Kinds. Prepaid 300 miles . $12.

We will send bulbs of the finest quality and of the better named varieties, bagged separately, with names on bags, the following assortment: 25 Snowdrops, 25 Grape Hyacinths, 50 Crocuses, 50 Scillas, 75 Darwin Tulips, 75 Mixed Daffodils, 25 Bedding Hyacinths, 25 Erythroniums, 25 Dutch Iris Mixed — 375 bulbs in all for $12.00, PREPAID 300 MILES.

Number of Bulbs Required for Planting Circular Beds

Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart
3 Feet	127	95	37	...
4 "	217	127	61	37
5 "	331	225	91	69
6 "	469	271	127	78
7 "	631	410	169	96
8 "	817	469	217	127
9 "	1027	650	271	156
10 "	1261	721	331	190
11 "	1519	940	397	240
12 "	1801	1027	469	271



THIS CHART INDICATES THE DEPTH AND DISTANCE APART VARIOUS FALL BULBS SHOULD BE PLANTED

SIX EVERBLOOMING HYBRID TEA ROSES

$3.75

ROME GLORY

Hybrid Tea (Everblooming) Roses

6 for $3.75 Any six of varieties listed below, prepaid 300 miles for $3.75 (value $4.60)

12 for $6.50 Any twelve of varieties listed below, prepaid 300 miles for $6.50 (value $9.00)

ALL classes of roses benefit by fall planting when properly done, as it enables the plant to start growing earlier in the spring.

Planting Method: Select three or four sturdy stems and cut clean away all others, prune the selected stems back to four or five eyes. Set the plant deeply, so that the crown where the stems unite is covered and the stems rise out of the soil. When frosts begin hill soil six or seven inches high around each plant, and cover the ground about them with several inches of dry leaves, or strawy manure. In the spring, dead wood should be cut away and each stem cut back to three eyes.

A Select List of Free Blooming Hardy Varieties

DAME EDITH HELEN. A clear pink of strong and active growth, giving an abundance of fine big blooms.

DUCHESS OF WELLINGTON. Enormous, tapering buds of golden orange, opening to very large saffron-colored semi-double blooms. Fragrant, free blooming and a strong grower.

ETOILE DE HOLLANDE. A brilliant dark red rose of magnificent size, vigorous grower; heavy bloomer; fragrant. 85c.

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. One of the best outdoor bedding varieties.

JOANNA HILL. A creamy-yellow with orange heart. Vigorous, long stems. The buds are large and pointed. 85c.

MARGARET McGREDY. Comparatively new and striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth.

McGREDY'S SCARLET. Its perfectly formed flowers of vivid rose-red come on long stems and are excellent for cutting. 85c.

MME. EDOUARD HERRIOTT. Buds coral-red opening to semi-double flowers of brilliant orange-red and salmon.

MME. JULES BOUCHE. Long, pointed buds opening into superb white flowers, slightly shaded blush pink; fragrant. The best white for quantity of bloom.

MRS. ERSKINE PEMBROKE THOM. Slender yellow buds opening to well shaped canary yellow blooms. Considered the finest garden yellow.

MRS. G. A. VAN ROSSEM. A novelty of vivid coloring, intense orange-apricot and gold passing to bronze. Deliciously perfumed.

MRS. CHARLES BELL (Shell-Pink Radiance). An exquisite shade of salmon shell pink with delicious fragrance and all the excellent qualities of Radiance.

PRESIDENT HERBERT HOOVER. The most popular Rose in America in 1938. Deep copper red buds open to a lovely blend of orange yellow, flame, vivid rose-pink, and scarlet. Fragrant. 85c.

RADIANCE. Brilliant rosy carmine, shaded with pink, constant bloomer.

RED RADIANCE. Clear cerise-red, otherwise same as in the parent Radiance. A fine garden variety.

TALISMAN. A remarkable blending of gold, apricot, yellow, deep pink, and old rose.

Prices of the above Hybrid Tea Roses, except where noted, 2-year, No. 1 dormant—each, 75c.

4 Hardy June Roses Prepaid 2.25

Hardy as oaks, and producing the finest flowers of the whole rose family, these roses not only flower freely in June, but often produce another crop of blossoms in the fall. The blossoms are larger, more fully double, of better color and plants live for years even in the coldest states. We offer the four best hybrid perpetual, or June roses, for planting this fall.

FRAU KARL DRUSCHKI. (White American Beauty.) Pure white, long, immense buds and perfectly double flowers. Each, 75c.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities. Each, 75c.

MRS. JOHN LAING. Fragrant flowers of clear pink on strong stems. Splendid for cutting. Blooms almost as freely as a Hybrid Tea. 75c.

ULRICH BRUNNER. A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous, blooming continuously in the open. Each, 75c.

Hardy Climbing Roses

DOROTHY PERKINS. Beautiful shell-pink double flowers in clusters, attaining great length in one season.

EXCELSA (RED DOROTHY PERKINS). Flowers very double, produced in large trusses, thirty to forty on a stem; light crimson. Vigorous.

PAUL'S SCARLET CLIMBER. No other rose can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy. Usually blooms again in the fall.

PRIMROSE. Its large, double flowers are a soft, rich primrose yellow, borne in clusters of 4 and 5. We believe this is the most satisfactory yellow climber for the north.

WHITE DOROTHY PERKINS. The counterpart of the well-known Dorothy Perkins, but pure white.

PRICES of above Hardy Climbing Roses: 2-year, No. 1, dormant, each, 75c; per doz., $7.50.

SPECIAL OFFER. One each of Dorothy Perkins, Excelsa and White Dorothy Perkins. 3 plants for $1.50. (Value $2.25.)

VISIT VAUGHAN'S ROSE GARDEN. You are invited to inspect our rose garden, at West Forty-seventh street and Willow Springs road, Western Springs, Ill., where over 1000 plants of both new and old varieties may be inspected.

Ready about November 1st. If wanted by Parcel Post, remit 5c per plant for postage, except on Prepaid Offers.

ROSES—Continued.

Best Patented Hybrid Teas

We have selected the cream of the now long list of Patented Roses. These have proved satisfactory over a wide area.

COUNTESS VANDAL. (Patent No. 38.) Full blooms sturdily borne; soft colors. Exquisite buds of pink, salmon and gold, excellent for cutting. $1.00.

CRIMSON GLORY. (Patent No. 105.) We consider this the finest new red. It gives a quantity of fine urn-shaped buds opening to fragrant flowers of crimson with a soft velvety nap. $1.00.

ECLIPSE. (Patent No. 172.) Internationally famous and of sensationally new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. $1.25.

R. M. S. QUEEN MARY. (Patent No. 249.) Beautiful with its combination of vivid shades of rich glowing salmon, pure pink and orange base. Buds long and pointed, flowers large and of beautiful form, delicately perfumed. $1.50.

ROME GLORY. (Patent Applied For.) A red Dame Edith Helen. Produces very large, cerise-red, double blooms on long stems. Flowers long lasting and not affected by dry or wet weather. Very perfumed. Extraordinarily robust and hardy plant. $1.50.

SIGNORA. (Plant Patent No. 201.) There is no other rose quite like this one, a warm symphony of brownish orange and salmon. It is a vigorous, tall and free blooming plant with long buds opening double and fragrant. Will soon be as popular as the famous Hoover which it resembles. $1.25.

STERLING. (Patent No. 21.) Here is a new rose that is just about perfect. The flowers are perfectly shaped and in color are a beautiful clear pink with orange base; bud pointed and very lasting when cut. It is a vigorous grower, has disease-resistant foliage, and it blooms and blooms. $1.00.

Four Great Roses, $3.75

One each of Crimson Glory, Eclipse, Signora and Sterling (value $4.50).

Patented Climbing Roses

BLAZE (NEW HARDY EVERBLOOMING SCARLET CLIMBING ROSE). (U. S. Plant Patent No. 10.) A new hardy climber combining the color of Paul's Scarlet Climber and the everblooming habit of Gruss an Teplitz. It will produce flowers on both the old and the new growth. $1.00.

DOUBLOONS. (Patent No. 152.) A hybrid of our native Rose Setigera and very hardy. Clusters of very large cup-formed, saffron yellow blooms, opening one after the other. Long heavy canes. Undoubtedly the best yellow climber to date. Has the tendency to repeat in midsummer. $1.50.

THE NEW DAWN (THE EVERBLOOMING DR. VAN FLEET). (U. S. Plant Patent No. 1. Introduced in 1931.) The first everblooming climbing rose. A sport from Dr. Van Fleet having same habit of growth. The delicate flesh pink flowers are fragrant and bloom all summer and fall. $1.50.

Three Patent Roses, $3.35

One each Blaze, Doubloons, and The New Dawn (value $4.00).

An Ideal Memorial PEONY Frances Willard

FRANCES WILLARD, Born 1839

Planted this fall, it should flower next June for the centenary year, and each spring thereafter as long as you live. Peonies are known to have lived and bloomed for 100 years (in sections where the ground freezes in winter).

A late midseason giant white variety, of good substance, and great vigor. A winner at the shows. With each root we will send free a metal label bearing the legend: Frances Willard, 1939. Peony roots are ready about Aug. 15 and may be planted from that time until the ground freezes in the fall. (In sections having mild winters they are not long-lived.)

3-5 EYE ROOTS EACH 90¢

Planting of Peony Frances Willard this fall to bloom in observance of the great temperance leader's centenary 1939 is advocated by the Woman's Christian Temperance Union.

VAUGHAN'S *True Floral* PERFUMES

RECREATE THE FRAGRANCE OF YOUR GARDEN

BECAUSE they have captured the true fragrance and loveliness of your favorite garden flowers, Vaughan's True Floral Perfumes have won the acceptance of women of refinement the world over.

These Perfumes have won a place for themselves as gifts, as well as for personal use. (All perfumes packed in gift containers.) Many women send them for Xmas to their entire list of flower-loving friends.

Compare them with the actual flower — there can be no more exacting test than this.

THE FOLLOWING ODORS ARE AVAILABLE IN EITHER COLOGNE OR PERFUME

(Cologne is about one-eighth the strength of perfumes (about double the strength of ordinary toilet water). It is used wherever a perfumed lotion is wanted — in the bath, on linens, or as a refreshing lotion in hot weather.)

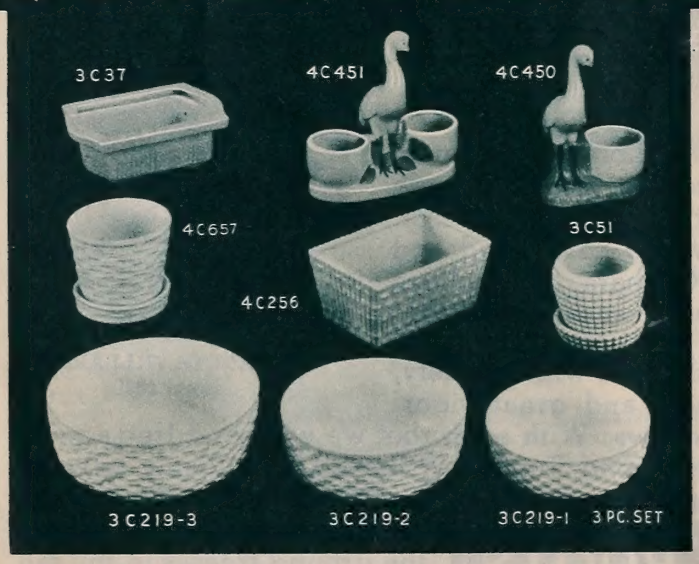
Carnation: World-famous as the best reproduction of the true old fashioned flower.
Frangipani: Like Jasmine, but not as heavy and slightly sweeter—considered the world's loveliest floral fragrance.
Geranium: The fresh leafy odor of an old favorite.
Gardenia: Just like the flower—not sweet, like so many so-called Gardenia perfumes.
Heliotrope: The true sweetness of the Heliotrope flower.
Lavender: The well-known English Lavender.
Jasmine: A favorite with women of refinement for centuries.
Lilac: True Lilac after a rain. A fresh, leafy odor, true to the actual flower.
Lily of the Valley: At last, a satisfactory reproduction of this elusive scent.
Parma Violet. A favorite for centuries; very rich and fragrant.
Red Rose: The true rich fragrance of the old Damask Rose.
Sandalwood: An old favorite, not too sweet.
Sweet Clover: Like a breeze over a clover field in full bloom.
Sweet Pea: The exact fragrance of the old fashioned Spencer.
Violet: The wood violet, a clean, fresh odor, much softer than the heavy Parma type.
White Rose: Not as heavy as the Red Rose—an old favorite.
Wild Rose: A light delicate fragrance like a breeze thru a hedge row in June—our most popular Rose.

PERFUME PRICES		COLOGNE PRICES	
1 Dram	50c	1 Ounce	35c
2 Drams	90c	4 Ounce	75c
½ Ounce	1.60	½ Pint	1.35
1 Ounce	3.00	1 Pint	2.25

(An ounce contains eight drams)

These prices postpaid to any point in the United States. Prices are based on plain containers.

BOWLS FOR GROWING BULBS



BULBS which are easily forced in bowls are described and illustrated on Pages 6, 7 and 19 and Cover page G. Attractive and inexpensive floral decorations for the living room and sunparlor can be produced by anyone who will follow the simple directions which we supply.

No. 3C51. Earthenware Flower Pot with Saucer Attached. Overall dimensions: Height 3⅛ inches, diameter 3½ inches. **All White,** highly glazed, hobnail pattern. Drain in bottom. Each 20c; 6 for $1.00.

No. 4C657. Flower Pot with Saucer Attached. Tapered shape. Height 5 inches, diameter across top 5 inches. Highly glazed Ivory colored earthenware, basket weave design. ¼ dozen in carton. Each 35c; 3 for $1.00.

No. 3C219-3. Bulb Bowl. Attractive basket weave pattern in white glaze finish. 7½ inch diameter. Each 45c.

No. 3C219-2. Bulb Bowl. Same as above. 6½ inches in diameter. Each 40c.

No. 3C219-1. Bulb Bowl. Same as above. 5¾ inches in diameter. Each 30c. **Per set of three bowls, as listed above, 95c.**

No. 4C450. Stork Pattern. Glazed bulb or flower bowl. Each 40c, two for 75c.

No. 4C451. Stork Pattern. Glazed bulb and flower bowl. Each 65c, two for $1.25.

No. 4C256. White Glazed Bulb Bowl. 6 inches long, 4 inches wide. Each 35c, three for $1.00.

No. 3C27. Bulb Bowl. White glazed with turned edge, 6 x 4 inches. Each 40c

V100 Mottled Marble Finish Bowls. These bowls have a very artistic mottled marble effect and should not be compared with ordinary pottery bowls. 7-inch, each, 85c.

F. L. Style Bowls. (Not illustrated). A pottery bowl with slightly rolled top in matt green, blue or jet black glaze finish. Prices: 5-inch (wt. 2 lbs.), 35c; 6-inch (wt. 3 lbs.), 45c; 8-inch (wt. 4 lbs.), 75c.
For parcel post delivery add postage at zone rates.

Gravel and Pearl Chips

Pearl Chips, white, per lb., 10c; 10 lbs., 75c.
Pearl Chips, colored, per lb., 15c; 10 lbs., for 85c.
For parcel post delivery add postage at zone rates.

Vaughan's Prepared Fibre

For Growing Bulbs in Bowls, Without Drainage. Per lb., 15c; 3 lbs., 35c; 10 lbs., 85c.

Most Beautiful of the Parrot Tulips

WHILE resembling the Parrot type in the extraordinary size of its blossoms, and its beautifully fringed and fluted petals, Fantasy is really unique, perhaps the forerunner of a new race. It has a straight, stiff stem, which most Parrots lack, and this makes it stand up in the borders instead of hanging its head. Fantasy originated as a sport of the famous Darwin tulip Clara Butt, and perhaps its greatest charm is the clear, true pink color of its forerunner. There are many tulip fanciers who regard Clara Butt as most beautiful of all because of this color. But while Clara Butt is a relatively small Darwin, each petal of a well grown specimen of Fantasy will measure three inches long and two inches across. On the back of each petal is a marking of emerald green. A group of Fantasy in your border will be a center of interest in the tulip season and a never failing attraction to garden visitors.

Tulip—Fantasy

12 for	$0.85
100 for	6.00

PREPAID

RUBRUM
Each, 20c; Doz., $2.00

SUPERBUM
Each, 20c; Doz., $2.00

TENUIFOLIUM
Each, 15c; Doz., $1.50

REGALE
Each, 15c; Doz., $1.50

TIGRINUM SPLENDENS
Each, 15c; Doz., $1.50

6 Hardy Garden Lilies 95c

LARGE BULBS . . Postpaid

One each of the 6 varieties illustrated: Rubrum, Henryi, Tenuifolium, Regale, Triginum Splendens, and Superbum, prepaid 600 miles for 95c.

These varieties are hardy, vigorous and lasting. true "flowers of the field" and if planted in a well drained location, in mellow soil, will grow and multiply, contributing to your garden picture for years. Fall planting on the average gives much better results than spring planting.

Shipped at Your Proper Planting Time.

See Hardy Lily Page for Descriptions of these Varieties.

HENRYI
Each, 20c; Doz., $2.00

One Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid	$0.95
Two Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid	1.70
Six Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid	4.60
Twelve Each Variety (as illustrated above) Separately Bagged and Labeled, Prepaid	8.40

Flowers Easily Grown Indoors

Hyacinths

Vaughan's Rainbow Collections

First size for Window Garden. (See Page 20)

QUEEN OF PINKS, Pink **GRAND MAITRE.** Lt. Blue **LA VICTORIA,** Red, **L'INNOCENCE,** White, **KING OF THE BLUES,** Dark Blue, **CITY OF HAARLEM,** Yellow.

PREPAID PRICES	Postpaid
A—6 Bulbs, one of each variety	$0.90
B—12 Bulbs, two of each variety	1.70
C—24 Bulbs, four of each variety	3.30
D—36 Bulbs, six of each variety	4.75

Flowers are increasingly fashionable for winter decoration indoors. Attractive stands, wall brackets, and glazed pots, are available to provide an attractive setting for your flowers in sunparlor or living room.

This fashion is one in which garden lovers may easily excel. With new methods of forcing bulbs which banish all dirt, it is a simple matter to keep the sunparlor or living room constantly supplied with blossoms at amazingly low cost. See Pages 18 and 19 for cultural directions and for subjects illustrated on this page and others.

AMARYLLIS Hybrids

Amaryllis

Largest of flowers which are easily forced indoors, our new hybrids are so gorgeous in size and coloring as to amaze those not familiar with them. See Page 7 for complete cultural instructions.

EQUESTRE. Orange Scarlet. Each, **15c**; doz., **$1.50**; 100, **$11.00.**

VAUGHAN'S NEW HYBRIDS. One of the finest strains of amaryllis we have seen. We can supply bulbs in the following selected colors. Bulbs are two inch and up in diameter.

MIXED. Flowers are immense, in an amazing range of color blends, splashed and striped in a manner not seen in other strains.

	Each	Doz.	100
2 to 2½ inch Dia.	$0.30	$3.00	$22.50
2½ to 3 inch Dia.	.45	4.50	30.00
3-3½ inch Dia.	.55	5.50	40.00

We can supply in separate colors. Each, **75c**; doz., **$7.50**, in the following shades:

Dark Red.	**Rose.**
Light Red.	**Red with Light Stripes.**
Salmon.	**Light Shades.**

JOHNSONII. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each **35c**; doz., **$3.50**; 100, **$25.00.**

Paper White Narcissi

To Grow in Gravel and Water

Fancy selected bulbs (13 ctm). Three bulbs for **15c**; doz., **50c**; 100, **$3.00**; 1,000, **$25.00.**

Mammoth bulbs (14 ctm.) Three bulbs for **20c**; dozen, **60c**; 100, **$4.00**; 1,000, **$35.00.**

Jumbo Bulbs (15 ctm.) Three bulbs for **25c**; dozen, **75c**; 100, **$5.00**; 1,000, **$45.00.**

The Yellow Paper White

(Grand Soleil D'or)

A larger, stronger scented form of the Paper White Narcissus colored a beautiful golden yellow with a darker cup.

Mammoth bulbs. Per three, **40c**; dozen, **$1.40**; 100, **$10.00.**

Lily of the Valley

These beautiful fragrant flowers may be brought to flower in 18 to 20 days, if pips from cold storage are used. See Page 19.

Cold Storage Pips, ready November 1, 25 for **$2.00**; 100 for **$7.50**, postpaid.

PAPER WHITE NARCISSI Grown in Gravel

Sphagnum Moss

Sphagnum Moss, sufficient for 25 pips, **10c**, postpaid. Gravel for bulb bowls, **5c** per lb.; 5 lbs. **20c**; 10 lbs., **35c.**

Pearl Chips

Pearl Chips. 10c per lb.; 10 lbs., **75c.**

Pearl Chips. Colored per lb. **15c**; 10 lbs. for **85c.**

For Parcel Post delivery add postage at zone rates.

Vaughan's Prepared Fibre

For Growing Bulbs in Bowls, Without Drainage. Per lb., **15c**; 3 lbs., **35c**; 10 lbs., **85c.**

LILIES of the VALLEY Forced in Sphagnum Moss